

**THE IMMIGRATION OF LEPIDOPTERA TO THE BRITISH ISLES IN 1997**BERNARD SKINNER<sup>1</sup> AND MARK PARSONS<sup>2</sup><sup>1</sup> 5 Rawlins Close, South Croydon, Surrey CR2 8JS.<sup>2</sup> Butterfly Conservation, UK Conservation Office, Box 444, Wareham, Dorset BH20 5YA.

THE INCREASE OF immigrant records experienced in 1995 and 1996 was dramatically halted in 1997 with many of the regular species including Painted Lady *Vanessa cardui* (Linnaeus), Silver Y *Autographa gamma* (Linnaeus) and *Nomophila noctuella* ([Denis & Schiffermüller]) appearing to be quite scarce. Even the congenial weather of the latter half of the year failed to encourage those immigrants which did arrive to proliferate. Still, every cloud has a silver lining and notable records in 1997 included the second British record of the twentieth century of the Black Collar *Ochropleura flammata* ([Denis & Schiffermüller]), from Shetland in June, and the only recent example of the pyralid *Chrysocrambus linetella* (Fabricius), taken in West Sussex in June. There are only two other probable British specimens of this latter species and these are housed in the collections of the Natural History Museum. Both are labelled Deal, Kent, 1879. Other rarities were the sixth and seventh British records of Radford's Flame Shoulder *Ochropleura leucogaster* (Freyer), from the Isles of Scilly in the autumn, and one of the few immigrant examples of the Lunar Double-stripe *Minucia lunaris* ([Denis & Schiffermüller]) since the demise of the species as a resident in 1958.

Finally, the small cluster of records in late September and October of the Pale-lemon Sallow *Xanthia ocellaris* (Borkhausen) in localities where it is not known to be resident is especially interesting. This distinctly local species is mainly resident along parts of the Thames Estuary and also in scattered localities in East Anglia. Until now it has not been considered to be an immigrant or vagrant species, but these latest sightings, which were mainly from sites near or on the coast, strongly suggest immigration from abroad. It is worth mentioning that it is unlikely such an hypothesis would have been reached on the evidence of just one or two sightings and so the importance of receiving records from the widest range of sites is emphasised.

In the hope of aiding the compilation of the immigration reports for future years and enabling a quicker publication it is requested that records should be stated clearly with as full details as possible and ideally the Watsonian vice-county should be given. If it is not possible to give the vice-county, a six figure grid-reference would aid the placing of the record within a vice-county at the compilation stage. The dates given for the records should be the day of the sighting, or if from a light trap it should be the date of the evening that the trap was operated. If the date given with the records is for the following morning, this should be stated clearly so that the records could be suitably amended to ensure a consistent approach.

The species listed in the annexes are laid out following Bradley (1998). Several records were supplied by more than one contributor and it is possible that some duplication of records has occurred, although every effort was made to eliminate this. Little attempt has been made to interpret locality data and it is possible that the

same site is occasionally treated by different names. Records placed in square brackets either require confirmation or are known to be releases. The abbreviations listed below are used in Annex 1.

### Abbreviations

E	Exotic introduction/escape
I	Primary immigrants
In	Introduction
R	Resident
R(t)	Temporary resident
V	Vagrant/wanderer

## ANNEX 1: RECORDS OF "SCARCE" SPECIES

### TINEIDAE

#### *Monopis monachella* (Hübner) [I?]

EAST SUFFOLK (25): Minsmere, 30.7 (Anderson & Wilson 1998); SOUTH-EAST YORKSHIRE (61): Spurn Bird Observatory, 14.8 (Spence 1998).

### CHOREUTIDAE

#### *Tebenna micalis* (Mann) [I/R(t)]

SOUTH DEVON (3): Abbotskerswell, 16.9 - pupa (Henwood 1998); Ernesettle, 17.8 - 3 larvae on *Pulicaria dysenterica* (RJH); Marsh Mills, 30.8 (RJH); Wembury, 23.8 - 4 larvae on *Pulicaria dysenterica* (RJH); WEST SUSSEX (13): Atherington, 22.8 (MSP & JEC).

### OECOPHORIDAE

#### *Ethmia bipunctella* (Fabricius) [I?/V?]

NORTH ESSEX (19): Stour Wood, 1.8 (M. Shardlow per BG).

### TORTRICIDAE

#### *Adoxophyes orana* (Fischer von Röslerstamm) [I?]

SOUTH-EAST YORKSHIRE (61): Spurn Bird Observatory, 19.8 (Spence 1998).

#### *Epiblema grandaevana* (Lienig & Zeller) [I?]

SOUTH-EAST YORKSHIRE (61): Spurn Bird Observatory, 9.6 (Spence 1998).

### PYRALIDAE

#### *Euchromius ocellea* (Haworth) [I]

ISLE OF WIGHT (10): Freshwater, 7.3 (Knill-Jones 1998b) (as 11.3 in Goater (1998)); SOUTH HAMPSHIRE (11): Christchurch, 8.3 (Goater 1998).

#### *Catoptria margaritella* ([Denis & Schiffermüller]) [I?]

DORSET (9): Portland Bird Observatory, 26.7 (Cade 1998).

#### *Chrysocrambus linetella* (Fabricius) [I]

EAST SUSSEX (14): Littlehampton, 8.6 (REP per CRP, conf. MSP).

#### *Thisanotia chrysonuchella* (Scopoli) [I?]

SOUTH-EAST YORKSHIRE (61): Spurn Bird Observatory, 7.6 (Spence 1998).

***Pediasia fascelinella* (Hübner) [I?]**

EAST KENT (15): Dungeness, 5.6 (SPC).

***Platytes alpinella* (Hübner) [I?]**

DORSET (9): Portland Bird Observatory, 6.8 to 20.8 - 4 (Cade 1998); NORTH ESSEX (19): Saffron Walden, 7.8 (Emmet 1998); SOUTH-WEST YORKSHIRE (63): Rossington, 2.8 to 8.8 - 4 (Heppenstall 1998).

***Platytes cerussella* ([Denis & Schiffermüller]) [I?]**

SOUTH-EAST YORKSHIRE (61): Spurn Bird Observatory, 9.6 - 4 (Spence 1998).

***Ancylolomia tentaculella* (Hübner) [I]**

CHANNEL ISLANDS (113): La Broderie, 12.8 (PC per Austin (1998a)).

***Evergestis limbata* (Linnaeus) [I/R(t)]**

DORSET (9): Swanage, 22.7 (R. Cox per Anon (1998a)); ISLE OF WIGHT (10): Bonchurch, 16.6 (J. Halsey per Knill-Jones (1998b)); WEST SUSSEX (13): Portslade, 29.6 - 1 female (A. Cronin, BFS, CRP & MSP).

***Evergestis extimalis* (Scopoli) [I?]**

Note: Possible immigrant examples only.

WEST CORNWALL (1): St Agnes, Isles of Scilly, 11.6 (MEH); DORSET (9): Portland Bird Observatory, 27.8 (Cade 1998).

***Loxostege sticticalis* (Linnaeus) [I]**

WEST CORNWALL (1): St Agnes, Isles of Scilly, 17.9; 21.9 (MEH); SOUTH SOMERSET (5): Staplegrove, Taunton, 17.8 (J. McGill); WEST SUSSEX (13): Petworth, 8.8 (JTR per CRP); Walberton, 9.8; 10.8 (JTR per CRP); EAST SUSSEX (14): Cow Gap, Eastbourne, 13.9 (Dr M.W. Harper & MSP); Rye Harbour, 6.8 (PP per CRP); 12.8 (DJF per CRP); Rye, 8.8 - 2 (per DJF per CRP); EAST KENT (15): Dungeness, 8.8 (Clancy & Walker 1998); Dymchurch, 5.6; 9.7 (JO); SURREY (17): Lingfield, 8.8 (JHC); SOUTH ESSEX (18): Bradwell-on-Sea, 6.8 to 10.8 - 5 (inc 7.8 - 2) (Dewick 1998); Maldon, 10.8 (S.D. Wood per BG); NORTH ESSEX (19): Saffron Walden, 15.8 (Emmet 1998); EAST NORFOLK (27): Hainford, 9.8 (Hipperson 1997); WEST NORFOLK (28): Docking, 1.9 (R. Skeen per Hipperson (1998)); Morston, 16.8 (J. Clifton per Hipperson (1997)); CAMBRIDGESHIRE (29): Devil's Dyke, 15.7 (Dawson 1998); WEST GLOUCESTERSHIRE (34): Rodborough Common, 10.8 (D. Gibbs per RG); NORTH LINCOLNSHIRE (54): Gibraltar Point, 12.8 (Wilson, K. 1998); Glentham, 12.8 (C. Smith per RJ); Roughton Moor, 15.8 (JJ per RJ); ELGIN (95); The Shieling, Aviemore, 11.8 (GAC); EASTERNNESS (96): Feshiebridge, 11.8 to 12.8 - 3 (McCormick 1998); SHETLAND ISLANDS (112): Baltasound, 14.7 (Penington 1998); Burrafirth, 15.7 (Penington 1998).

Summary: (1): 2; (5): 1; (13): 3; (14): 5; (15): 3; (17): 1; (18): 6; (19): 1; (27): 1; (28): 2; (29): 1; (34): 1; (54): 3; (95): 1; (96): 3; (112): 2.

***Sitochroa palealis* ([Denis & Schiffermüller]) [I?/R?/R(t)?]**

Note: Possible immigrant examples only.

WEST CORNWALL (1): St Agnes, Isles of Scilly, 15.7 (MEH); SOUTH DEVON (3): Chardstock, late 8 (A. Jenkins per McCormick (1998)); Slapton, 4.7 (RJH & BPH); NORTH SOMERSET (6): Goblin Combe, 22.7 (JPM); DORSET (9): Portland Bird Observatory, 12.7 to 27.7 - 8 (Cade 1998); ISLE OF WIGHT (10): no locality given, 29.6 (Knill-Jones 1998c); Tennyson Down, 29.7 - netted by day (SAKJ); NORTH HAMPSHIRE (12): Farnborough, 19.8 (RWP); EAST KENT (15): Dungeness, 7.7; 28.7 (DW per SPC); Littlestone, 23.7 (KR per SPC); Lydd, 7.8 (KR per SPC); New Romney, 2.8 (KR per SPC); SOUTH ESSEX (18): Foulness Island, 2.8 (DGD per BG); NORTH ESSEX (19): Dovercourt, 14.7 (CG per BG);

East Mersea, 15.7 (JF per BG); Kirby-le-Soken, 31.7 (PB per BG); WEST NORFOLK (27): Holkham NNR, 2.8 (MT per Hipperson (1997)); CHANNEL ISLANDS (113): Chouet, Guernsey, 16.7 (Austin 1998b).

Summary: (1): 1; (3): 2; (6): 1; (9): 8; (10): 2; (12): 1; (15): 5; (18): 1; (19): 3; (27): 1; (113): 1.

***Ostrinia nubilalis* (Hübner) [I?/R?/R(t)?]**

Note: Records outside Thames estuary only.

NORTH SOMERSET (6): Bridgewater, 12.10 - several larvae in stem of *Artemisia vulgaris* (RJH); DORSET (9): Portland Bird Observatory, 9.7; 10.7 (Cade 1998); Studland Heath, 7.9 (Cook 1998); ISLE OF WIGHT (10): Binstead, 3.7; 5.7 - 3; 6.7 (BJW); Freshwater, 10.6; 18.9 (SAKJ); SOUTH HAMPSHIRE (11): Brockenhurst, 2.9 (Goater 1998); EAST SUSSEX (14): Peacehaven, 6.6; 23.6; 7.7 - 2; 18.8; 19.8; 20.8 - 2; 30.8; 18.9; 24.9 (CRP); EAST KENT (15): Sandwich Bay, 6 - 5; 7 - 7; 8 - 1 (Game & Lyckett 1998); SURREY (17): Lingfield, 4.9 (JHC); SOUTH ESSEX (18): North Chingford, 8 (B. Pateman per BG); Theydon Bois, 11.8 (J.G. Green per BG); Thundersley, undated (DGD per BG); NORTH ESSEX (19): Beaumont-cum-Moze, 14.7 (J.B. Fisher per BG); Dovercourt, 8 (CG per BG); Jaywick, undated (JY per BG); Kirby-le-Soken, undated (PB per BG); EAST NORFOLK (27): Eccles, 27.7; 1.8 (NB per Hipperson (1997)); EAST GLOUCESTERSHIRE (33): Hempstead, 4.10 (G.R. Avery per RG); SOUTH-EAST YORKSHIRE (61): Spurn Bird Observatory, 28.6 (Spence 1998); CHANNEL ISLANDS (113): L'Ancrelle, Guernsey, 30.8 (Austin 1998b); La Broderie, Guernsey, 5.12 (PC per Austin (1998a)).

Summary: (11): 1; (14): 11; (15): 13; (17): 1; (18): 3; (19): 4; (27): 2; (33): 1; (61): 1; (113): 2.

***Maruca vitrata* (Fabricius) (= *testulalis* (Geyer)) [I?/E?]**

BUCKINGHAMSHIRE (24): Burnham, 30.8 (Anon 1998b).

***Diasemopsis ramburialis* (Duponchel) [I]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 18.9 (Hale & Hicks 1998); SOUTH DEVON (3): Plympton, 7.8 (RJH).

***Duponchelia fovealis* Zeller [I?]**

NORTH ESSEX (19): Kirby-le-Soken, 9 (PB per Goodey (1998)).

***Palpita unionalis* (Hübner) [I]**

WEST CORNWALL (1): Church Cove, 27.9; 15.10 (MT); Coverack, 19.10 - 2 (MT); St. Agnes, Isles of Scilly, 9.6 (Hale & Hicks 1998); 19.10 - 3; 22.10 - 3; 29.10; 30.10 - 2 (Hicks & Hale 1998) (no record given for 29.10 by MEH); Kynance Cove, The Lizard, 18.10 - 28 (Tunmore (1998c), includes a singleton nearby coll. by C.J. Wormwell per MT); 19.10 - 3 (MT); The Lizard, 1.12 (Tunmore 1998e); Porthloo, St. Mary's, Isles of Scilly, 19.10; 22.10 - 5; 23.10 - 3 (JPM); SOUTH DEVON (3): Abbotskerswell, 17.8 (Henwood 1998); Exeter, 11.9 (P. Butter per McCormick (1998)); Tuckermarsh, Bere Alston, 28.9 (Bogue 1998); DORSET (9): Durlston Head, Swanage, 1.10 (JHC); Portland Bird Observatory, 17.8; 19.10 - 2 (Cade 1998); ISLE OF WIGHT (10): Freshwater, 11.6; 3.9; 4.9 - 2; 5.9 - 2; 6.9; 7.9; 15.9; 20.10; 25.11 (SAKJ); SOUTH HAMPSHIRE (11): Christchurch, 5.9 (Goater 1998); WEST SUSSEX (13): Walberton, 19.10 - 2; 15.11; 26.11 (JTR per CRP); EAST KENT (15): Densole, 3.9 (Rouse 1998); Dungeness, 17.10 - 2 (Rouse 1998); Greatstone, 24.8 (BB per SPC); Littlestone, 4.7; 20.8 (KR per SPC); Lydd, 22.8 (KR per SPC); Lydd-on-Sea, 17.10 (SPC); New Romney, 26.8 (KR per SPC); WEST KENT (16): Dartford, 14.11 (BKW); SOUTH ESSEX (18): Bradwell-on-Sea, 26.5; 29.9 (Dewick 1998) (the latter record given as 30.9 by BG); NORTH ESSEX (19): Dovercourt, 2.7 (CG per BG); MIDDLESEX (21): Hampstead, 24.9 (R.A. Softly); NORTH LINCOLNSHIRE (54): Gibraltar Point, 26.9 (Wilson, K. 1998); ISLE OF MAN (71): Dhoon Maughold, 31.10 - 2 (LK per GDC); CHANNEL ISLANDS (113): Le Chene, Guernsey, 17.8 (TNPD per Austin (1998a)); Le Gouffre, Guernsey, 28.9 (JB per Austin (1998a)).

Summary: (1): 55; (3): 3; (9): 4; (10): 11; (11): 1; (13): 4; (15): 9; (16): 1; (18): 2; (19): 1; (21): 1; (54): 1; (71): 2; (113): 2.

***Conobathra tumidana* ([Denis & Schiffermüller]) [I?]**

WEST SUSSEX (13): Walberton, 31.7; 26.8 (JTR per CRP); EAST KENT (15): Dungeness, 1.8 (Clancy & Walker 1998).

***Diopteryx abietella* ([Denis & Schiffermüller]) [I?]**

Note: Possible immigrant examples only.

DORSET (9): Portland Bird Observatory, 20.7 to 25.7 - 6 (Cade 1998) (inc. 23.7 - 4 (MC)); EAST SUSSEX (14): Rye Harbour, 19.7 to 12.8 - 11 (Funnell 1998); EAST KENT (15): Isle of Thanet, 19.7 to 14.8 - 12 (Solly 1998); SOUTH ESSEX (18): Ingatestone, 8.8 (GS per BG); NORTH ESSEX (19): Coggeshall, 2.8 (BG); Dovercourt, 8 (CG per BG); Earls Colne, 9.8 (D. Warner per BG); Jaywick, 10.8 - 25 (JY per BG); Langenhoe, 3.6 (H. Owen per BG); Mistley, 7.8 (I.C. Rose per BG); Saffron Walden, 8.8 (A.M. Emmet per BG); St Osyth, 11.8 - 16 (RWA per BG); SOUTH-EAST YORKSHIRE (61): Spurn Bird Observatory, 23.7 (Spence 1998); ISLE OF MAN (71): Calf of Man Bird Observatory, 10.8 (TB); CHANNEL ISLANDS (113): L'Ancresse, Guernsey, 18.7 (RA per Austin (1998a)).

Summary: (9): 6; (14): 11; (15): 12; (18): 1; (19): 49; (61): 1; (71): 1; (113): 1.

***Nephopterix angustella* (Hübner) [I?/V?]**

SOUTH DEVON (3): Plympton, 21.8 (RJH); DORSET (9): Portland Bird Observatory, 20.8 (Cade 1998).

***Ancylotis oblitella* (Zeller) [I?/R(t)?/R?]**

DORSET (9): Portland Bird Observatory, 17.8 to 10.9 - 5 (Cade 1998); WEST SUSSEX (13): Atherington, 15.8 (JEC, MSP & J. Radford); EAST SUSSEX (14): The Crumbles, Eastbourne, 25.8 - 2 (MSP); EAST KENT (15): Sandwich Bay, 11.9 (Game & Lycett 1998).

***Vitula edmandsii* (Packard) [I]**

SOUTH-EAST YORKSHIRE (61): Spurn, 8.8 (BRS & Beaumont (1998)).

***Vitula biviella* (Zeller) [I?]**

EAST KENT (15): Lydd, 13.7 - 1 male (KR per SPC, see also Parsons & Clancy (1999)).

**PTEROPHORIDAE****[*Oxyptilus laetus* (Zeller) [I]]**

DORSET (9): Portland Bird Observatory, 12.8 (Cade 1998) (specimen not secured, per MC.).

**PAPILIONIDAE****[The Swallowtail *Papilio machaon* Linnaeus [In/I?]]**

Note: Subspecies was not stated for the following records.

WEST SUSSEX (13): Church Norton, 24.6 (T. Wilson per CRP); [OXFORDSHIRE (23): Enstone, 7.6 (Hill 1997) (possible escape)]; CHANNEL ISLANDS (113): Candie Gardens, Guernsey, 19.5 (B. Russell per Austin (1998b)); La Pomare, Guernsey, 28.7; 23.8 (Mrs M. Burridge per Austin (1998b)); Le Neuf Chemin, Guernsey, 9.8 (T. Banks per Austin (1998b)); nr. Richmond Vazon, Guernsey, 21.7 (V. Cockett per Austin (1998b)); 5.8 (Mrs Smith per Austin (1998b)); Reservoir, Guernsey, 6.8 (J. Hooper per Austin (1998b)); 9.8 (D. Moore per Austin (1998b)); Rue des Madelaines, Guernsey, 7.8 (M. Leech per Austin (1998b)) (Some of the records from the Channel Islands could be the result of escapes from a butterfly farm).

Summary: (13): 1; [(23): 1]; (113): 9.

**PIERIDAE****Clouded Yellow *Colias croceus* (Geoffroy) [I]**

WEST CORNWALL (1): Isles of Scilly, 18.10; 26.10; 27.10 (Hill 1998); Land's End, 25.10 (Hill 1998); Marazion, 13.8 (DGD); Peninnis Head, Isles of Scilly, 19.10 (JPM); The Lizard,

25.10 (Hill, 1998); EAST CORNWALL (2): Par Beach, 16-17.8 (Hill 1998); CORNWALL: no locality given, 27.7 (Bowles 1997b); SOUTH DEVON (3): Berry Head, 5.9 (Hill 1998); Clearbrook, 25.8 (RJH); DORSET (9): no locality given, 8.3 (Bowles 1997a); no locality given, 11 - 15 (Bowles 1998); Durlston Country Park, 10.9 (Hill 1998); Portland, 3.10 (Hill 1998); Portland Bird Observatory, 6 to 9 - 7 (Cade 1998); Southbourne Undercliff, 9 to 12.9; 1.11 - 15; 20.11 (Hill 1998); HAMPSHIRE/ISLE OF WIGHT: 100 to 170 sightings; estimated 3rd brood of approx. 200 (Barker 1998); ISLE OF WIGHT: no locality given, undated total = 18 (Barker 1998); no locality given, 18.10 (Hill 1998); SOUTH HAMPSHIRE (11): Dibden, 24.5 (GRE); Dibden Bay, 14.8; 26.9 to 4.10 - 10+; 1.10 - 26; 10.10 to 25.10 - 5 to 10; 26.10 to 1.11 - 1 to 2 (Barker 1998); Hengistbury Head, 17.9; 1.11 - 15; 3.11; 20.11 (Barker 1998); Romsey, 1.8 (Barker 1998); NORTH HAMPSHIRE (12): Ashford Hangers, 24.5 (Barker 1998); Wonston, 10.6 (Barker 1998); Overton Hill, 23.9 (Barker 1998); WEST SUSSEX (13): Adversane, late 7 (M. Smith per CRP); Arundel Park, 16.8 (JF<sup>2</sup> per CRP); Chantry Lane (Storrington), 1.6 (G. Stevens pers CRP); 24.8 (P. Whitcomb per CRP); Cissbury Ring, 12.8 (N. Hulme per CRP); Climping, 10.10 (S. Patton per CRP); Five Oaks (Billingshurst), 15.8 (S. Hamilton per CRP); Henfield, 17.10 (P. Rowland per CRP); Levin Down (Chichester), 1.8 (P. Brown per CRP); Littlehampton, 12.10 - 3 (per P. Hill per CRP); Pagham, 25.10 (T. Wilson per CRP); Portslade, 30.10 (JTR per CRP); Shoreham, 3.8 (per G. Hart per CRP); 12.10 (JF<sup>2</sup> per CRP); Steyning, 18.10 (P. Rowland per CRP); Thorney Island, 9.8; 12.8 (B. Collins per CRP); 27.10 (S. Hamilton per CRP); Verdley Wood (Fernhurst), 12.8 (A. Greenwood per CRP); West Hove golf course, 6.9 (T. Wilson per CRP); EAST SUSSEX (14): Beachy Head, 2.10 (per D. Dey per CRP); 27.9; 28.9; 6.10 (RC per CRP); 19.10 (J. Havers per CRP); 23.10 - 2 (G. Champion per CRP); 22.10; 25.10 - 6; 26.10 - 2; 29.10; 30.10 - 2; 31.10 - 2; 1.11; 2.11 (P. Wilson per CRP); Bevendean, 19.10 (G. Stevens per CRP); Castle Hill (Woodingdean), 21.8; 26.8 - 4 (A. Holden per CRP); Exceat, 12.10 - 2 (D. Rushen per CRP); 25.10 - 2 (T. Wilson per CRP); Hadlow Down, 7.8 (R. Pentecost per CRP); Rye, 27.6 (DJF per CRP); Rye Harbour, 2.8; 8.8 (per DJF per CRP); Saltdean, 16.6 (JF<sup>2</sup> per CRP); Seaford Head, 21.9 (MSP); Willingdon, 1.9 (C. Clarkson-Webb per CRP); EAST KENT (15): Appledore, 9.8 (P. Burness per JM); Backsand & New Downs, Sandwich, 12.8 (D.M. Batchelor per JM); Dungeness, 20.7 (possibly the same as 21.7 given in Hill (1998)); 29.9; 18.10 (DW per JM); Kingston, Canterbury, 17.5 (K. Elks per JM); Lydden Down, 10.8 (K. Elks per JM); Sandwich Bay Bird Observatory, 24.5 (D.M. Batchelor per JM); 12.6 (Game & Lycett 1998); Sugarloaf Hill, 2.5 (P. Green per JM); WEST KENT (16): Bough Beech Causeway, Winkhurst Green, 9.9 (D.P. Goodban per JM); Cliffe, 21.8 (M.T. Jennings per JM); Horticultural Research International Farm, 25.9 (M. Easterbrook per JM); River Wall, 2.10 (A. Fray per JM); TQ7644, 2.8 (K. Derrett per JM); White Hill, Shoreham, 20.7 (P. Kirby & T. Steele per JM); SURREY (17): Great Bookham, 1.8 (DGD); SOUTH ESSEX (18): Dengie, 2.8 - 2 (GS per BG); Little Baddow, 9 - 3 (G.A. Pyman per BG); NORTH ESSEX (19): Colchester, 14.8 (N.M. Raynor per BG); Mistley, 16.8 - 3 (I.C. Rose per BG); EAST SUFFOLK (25): Languard Bird Observatory, 4.10 (Odin 1998); WEST SUFFOLK (26): Lakenheath, 13.6 (DGD); WEST NORFOLK (28): Holme, 3.8 (Hill 1998); NORFOLK: Sutton High Fen, 15.8 (Hill 1998); PEMBROKESHIRE (45): Skomer Island, 4.7 (NL); DERBYSHIRE (57): Friargate Station, 13.6 (KJO); Hilton NR, 12.8; 15.8 (W. Furse per KJO); Longendale Trail, 3.8 (D.P. Mallon per KO); Shirebrook, 9.6 (R.A. Frost per KJO); ISLE OF MAN (71): Dhoo Maughold, 5.9 - 2 (LK per GDC); CHANNEL ISLANDS (113): Fort Hommet, Guernsey, 18.5 (C. David per Austin (1998b)); Les Tieles, Guernsey, 2.6 (M. Austin per Austin (1998b)); Mont Herault, Guernsey, 24.9 (L. Thompson per Austin (1998b)).

Summary: (1): 7; (2): 1; Cornwall: 1; (3): 2; (9): 42; Hampshire/Isle of Wight: 200+; (10): 18+; (11): 63+; (12): 3; (13): 22; (14): 40; (17): 1; (18): 5; (19): 4; (25): 1; (26): 1; (28): 1; Norfolk: 1; (45): 1; (57): 5; (71): 2; (113): 3.

## NYMPHALIDAE

### **Large Tortoiseshell *Nymphalis polychloros* (Linnaeus) [I]**

EAST SUSSEX (14): St Leonard's, 9.3 - hibernating in a shed (E. Bruce per CRP); WEST KENT (16): Marshleyharbour Wood, Pembury, 1.4 (I.C. Beavis per JM).

### **Camberwell Beauty *Nymphalis antiopa* (Linnaeus) [I]**

WEST CORNWALL (1): Looe Bar, 3 to 6.8 (R. Howard per Tunmore (1998e)); SOUTH DEVON (3): Kingskerswell, last week of 8 (P. Glenn per RFM); DORSET (9): no locality given, 4 (Bowles 1997a); Lodmoor, 21.9 (Hill 1998); ISLE OF WIGHT (10): no locality given, 30.9 (Bowles 1997c); Seaview, 19 to 27.9 (Taverner 1998a); SOUTH HAMPSHIRE (11): Hillier's Braishfield Arboretum, 16.4 (Taverner 1998a); NORTH HAMPSHIRE (12): Old Alresford, 9.8 (Taverner 1998a); SUSSEX: no locality given, 3 (Bowles 1997a); EAST KENT (15): Blean Woods, 10.3 (per S. Davis per JM); 4 (Hill 1997); Clowes Wood, Blean, 31.3 (S. Tilley per JM); Purr Wood, Crundale, 16.3 (per S. Davis per JM); SURREY (17): no locality given, 3 - 3 (Bowles 1997a), these record include: Waldringham, 11.3 (Hill 1997); 15km from Wooldingham, 17.3 (Hill 1997); HERTFORDSHIRE (20): no locality given, 3 (Bowles 1997a); OXFORDSHIRE (23): no locality given, 3 (Bowles 1997a); EAST SUFFOLK (25): Trimley St. Mary, 17.3 (Iley 1997); WEST SUFFOLK (26): Grotton Wood (probably refers to Groton Wood), 15.3 (Hill 1997) (poss. same as previous record); SUFFOLK: no locality given, 4 (Bowles 1997a); NORFOLK: 3 seen in early 4 (Hill 1997) (includes following 2 records); WEST NORFOLK (28): Holkham, 6.4 (Hill 1997); Titchwell, 8.4 (Hill 1997); STAFFORDSHIRE (39): no locality given, 12.8 (Bowles 1997b); NOTTINGHAMSHIRE (56): Carlton, 11.3 (Hill 1997); DERBYSHIRE (57): no locality given, 4 (Bowles 1997a); SOUTH-WEST YORKSHIRE (63): Blackburn Meadows, nr. Rotherham, 10.3 (Hill 1997); NORTHUMBERLAND: no locality given, 8.3 (Bowles 1997a); CO. ANTRIM (H39): Belfast, 12.8 (Bowles 1997b).

Summary: (1): 1; (3): 1; (9): 2; (10): 2; (11): 1; (12): 1; Sussex: 1; (15): 4; (17): 3; (20): 1; (23): 1; (25): 1; (26): 1; Suffolk: 1; Norfolk: 3, including (28): 2; (39): 1; (56): 1; (57): 1; (63): 1, Northumberland: 1; (H39): 1.

### **Queen of Spain Fritillary *Issoria lathonia* (Linnaeus) [I/R(t)?]**

DORSET (9): Sandbanks, 29.7 (Wilson, R. 1998); SOUTH HAMPSHIRE (10): Martin Down, 2.8 (Taverner 1998b); KENT: Woodbridge, 6.8 (Wilson, R. 1998); EAST KENT (15): Lydden Down 9.8 (Wilson, R. 1998); North Foreland, Broadstairs, 30.7 (R. Hope per JM) (a record for this date is given as unconfirmed by Wilson, R. (1998)); NORTH ESSEX (19): Little Quay, 18.10 (G. Slater per BG); EAST SUFFOLK (25): Aldringham Walks/Thorpeness, undated - 12 (Wilson, R. 1998); Butley Creek, Orford, undated - 3 (Wilson 1998); Minsmere, 28.6 (Wilson, R. 1998); 4.7 - 2; 7.7; 19.7 - 2; 13.8; 18.10 (Anderson & Wilson 1998); Sizewell, 13.9; 22.9 (Hill 1998); Thorpeness, undated - a mating pair (Wilson, R. 1998); near Wangford, 17.9 - 2 (Anderson & Wilson 1998); no locality given, 4.8 (and for several days) (Bowles 1997b); no locality given, late 4; 7; 9; 10 (Bowles 1997c) (some or all may refer to previous records); CHANNEL ISLANDS (113): Sous L'Eglise, Guernsey, 31.4 (B. Kendall per Austin (1998b)). Summary: (9): 1; (10): 1; Kent: 1; (15): 1(??); (19): 1; (25): approx. 30; (113): 1.

### **The Monarch *Danaus plexippus* (Linnaeus) [I]**

WEST CORNWALL (1): Borough Farm, Tresco 17.10 (G. Fellows) (probably the same as Tresco, 17.10 (Hill 1998)); Great Pool, Tresco, 10.10 (Hill 1998); SOUTH DEVON (3): Plym estuary, 1.10 (Hill 1998) (possibly the same as no locality given, 2.10 (Bowles 1997c)); Stoke Beach, Plymouth, 11.10 (Hill 1998); NORTH DEVON (4): Lundy Island, 4.10; 9.10 (Hill 1998); SOUTH SOMERSET (5): Minehead, 2.10 (Hill 1998); DORSET (9): Easton, Portland, 4.10 (Hill 1998); Portland, 13.10 (Hill 1998) (probably the same as Portland Bird Observatory, 13.10 (Cade 1998)); Weston, 16.10 (Hill 1998); Weymouth, 4.10 (MC & Hill 1998); no locality given, 11.10; 12.10 - a dead individual (Bowles 1997c); WEST SUSSEX (13): Littlehampton,

10.10 (Hill 1998); EAST SUSSEX (14): near Beachy Head, between Crowlink and Birling Gap, 13.9 at 1pm (flying east) (P. Whitcombe per CRP) (possibly the same as the one reported as 12.9 by Bowles (1997c)); near Beachy Head, at Shooter's Bottom, 29.9, flying east (B. Forbes per CRP); WEST KENT (16): Stone, Dartford, 6.10 (S. Clancy per JM); GLAMORGANSHIRE (41): Caswell, south Gower, 23.10 - 1 found floating in a pond (White 1998); Crymlyn Burrows (heading north from), 18.10 (K. Dupe per White (1998)); MERIONETHSHIRE (48): Llanaber, Barmouth, 2.10 (Jones 1998); KIRKCUDBRIGHTSHIRE (73): no locality given, 10.9 (Bowles 1997c); CO. CORK: Ballycotton 10.10 (Hill 1998) (probably the same as no locality given, 11.10 (Bowles 1997c)). Summary: (1): 2; (3): 2; (4): 2; (5): 1; (9): 6(?) (13): 1; (14): 2; (16): 1; (41): 2; (48): 1; (73): 1; Co. Cork: 1.

### LASIOCAMPIDAE

#### Pine-tee Lappet *Dendrolimus pini* (Linnaeus) [I]

CHANNEL ISLANDS (113): Le Chene, Guernsey, 4.8 (DJLA per Austin (1998a)).

### DREPANIDAE

#### Dusky Hook-tip *Drepana curvatula* (Borkhausen) [I]

EAST KENT (15): Dungeness, 11.8 (Clancy & Walker 1998) (1 male, DW per SPC); SOUTH ESSEX (18): Bradwell-on-Sea, 6.8 (AJD per Dewick (1999)).

### GEOMETRIDAE

#### Sub-angled Wave *Scopula nigropunctata* (Hufnagel) [I]

EAST KENT (15): Dymchurch, 9.8. (JO).

#### Tawny Wave *Scopula rubiginata* (Hufnagel) [I]

Note: Probable immigrant examples only.

NORTH ESSEX (19): Copperas Wood, 7.8 (P. Smith per BG); Stour Wood, 1.8 (M. Shardlow & P. Smith per BG); EAST SUFFOLK (25): Ipswich, undated - 2; 20.8 (T. Prichard).

#### Bright Wave *Idaea ochrata* (Scopoli) [I?]

CHANNEL ISLANDS (113): La Broderie, Guernsey, 15.8 (PC per Austin (1998b)).

#### Portland Ribbon Wave *Idaea degeneraria* (Hübner) [I?]

ISLE OF WIGHT (10): Freshwater, 11.8 (Knill-Jones 1998b); CHANNEL ISLANDS (113): Le Coin, Guernsey, 24.8 (JB per Austin (1998b)).

#### The Vestal *Rhodometra sacraria* (Linnaeus) [I]

WEST CORNWALL (1): Church Cove, 17.9; 18.9 (MT); Coverack, 17.10; 18.10 (MT); Kynance, 18.9 (MT); St. Agnes, Isles of Scilly, 10.8 - 4 (Hicks & Hale 1998); 16.8; 17.9; 18.9; 21.9; 1.10; 4.10; 10.10; 19.10 (MEH); autumn - 5 (Tunmore 1998e); The Lizard, 18.10 (Tunmore 1998c); The Lizard, end 9 - few (MT per Waring (1997d)) (probably includes some of preceding records); EAST CORNWALL (2): Kilkhampton, 22.9 (GEH); SOUTH DEVON (3): Abbotskerswell, 13.8; 3.9; 18.9; 6.11 (BPH); Plympton, 18.8 (RJH); Teignmouth, 19.10 (RFM); NORTH SOMERSET (6): Tynning, Timsbury, 27.9 (M. Bailey per Barnett, Edmonson & Evans (1997b)); SOUTH WILTSHIRE (8): Bullen Hill Farm, Ashton Common, 25.9 - 3; 29.9 (E.G. & M.H. Smith); DORSET (9): Portland Bird Observatory, 12.8 to 23.9 - 4 (Cade 1998); ISLE OF WIGHT (10): Binstead 19.9; 4.10; 17.10 (BJW); Freshwater, 16.8 (Knill-Jones 1998d); no locality given, undated - 4 (Knill-Jones 1998c) (probably refers to preceding records); SOUTH HAMPSHIRE (11): Bitterne, 19.9 (Goater 1998); Brockenhurst, 20.9 (Goater 1998); Sparsholt, 30.9 (RB); Woolston, 26.9 (Goater 1998); NORTH HAMPSHIRE (12): Farnborough, 21.8 (RWP); Selborne, 16.8 (AA); WEST SUSSEX (13): Walberton, 19.8;

21.9; 24.9; 28.9; 30.9; 6.10; 7.10 (JTR per CRP); EAST KENT (15): Kingsgate, 8.8 - 2 (Solly 1998); Lydd, 31.8 (KR per SPC); New Romney, 2.9 (SPC); CHANNEL ISLANDS (113): La Broderie, Guernsey, 17.9; 26.9 (PC per Austin (1998a)) (as 18.9 & 27.9 in Austin (1998b)); Le Chene, Guernsey, 11.6; 22.8; 26.8 (TNNDP per Austin (1998a)); St Martin's, Guernsey, 17.8 (WA per Austin (1998b)).

Summary: (1): approx. 22; (2): 1; (3): 6; (6): 1; (8): 4; (9): 4; (10): 4; (11): 4; (12): 2; (13): 7; (15): 4; (113): 6.

#### **The Gem *Orthanama obstipata* (Fabricius) [I]**

WEST CORNWALL (1): Church Cove, 16.9; 27.9; 15.10 - 2; 19.10; 4.11; 6.11 - 5; 10.11; 11.11 - 5; 19.11; 26.11 - 8; 28.11; 30.11 (MT); Coverack, 5.10 (DB); 5.10 (possibly same as previous record); 17.10 (MT); Kynance, 18.10 - 2; 19.10 (MT); St. Agnes, Isles of Scilly, 14.8; 21.9 - 4; 24.9; 1.10 - 2; 4.10; 17.10; 31.10; 25.11; 26.11 - 5 (MEH); 24.10 - 4; 29.10; 30.10 (Hicks & Hale 1998); Porthloo, St. Mary's, Isles of Scilly, 17.10 - 2; 18.10; 22.10 - 4 (JPM); The Lizard, autumn - 28 (inc. 11 - 23 & 30.11) (Tunmore 1998e) (probably includes some of preceding records); The Lizard, 18.10 - 2 (Tunmore 1998c); SOUTH DEVON (3): Churston Court Farm (SX905564), 5.10; 26.11 (DSF per RFM); Exeter, undated (P. Butter per RFM); DORSET (9): Dawlish Warren, 1.8 (JPM); Portland Bird Observatory, 16.9 to 6.11 - 9 (Cade 1998); Studland, 19.10 - 2 (DB); ISLE OF WIGHT (10): Binstead, 28.8; 15.9; 20.9; 18.11; 19.11; 25.11; 26.11 - 2 (Goater 1998); (as 23.5; 28.9; 15.10; 20.10 (BJW)); Freshwater, 20.11; 25.11; 26.11; 27.11 - 2 (SAKJ); Hacketts Land, Branstone, 21.5 - 2; 25.11 (Goater 1998); no locality given, undated - 15 (Knill-Jones 1998c) (probably includes all of previous records); SOUTH HAMPSHIRE (11): Brockenhurst, 1.8 (Goater 1998); Linford, 2.9 (Goater 1998); Milkham Bottom, 6.9 (Goater 1998); Sparsholt, 16.5 (RB); NORTH HAMPSHIRE (12): Frith End, 14.6 (Goater 1998); Selborne, 25.8 - male; 26.8 - female; 27.11 - male (AA); WEST SUSSEX (13): Atherington, 16.11 - 1 female (MSP & JEC); Walberton, 17.5; 22.8; 23.8; 24.8 - 2; 27.8; 30.8 - 2; 3.9; 18.10; 16.11; 18.11 - 3; 19.11; 21.11; 23.11; 25.11; 26.11; 27.11; 28.11 - 2; 29.11 (JTR per CRP); EAST SUSSEX (14): Hastings, 16.8 (PT per CRP); Peacehaven, 17.8; 18.8; 19.8; 19.10; 27.11 - 2 (CRP); Rye Harbour, 18.5 (DJF per CRP); 17.8 (DJF & PP per CRP); 18.10 (as 2 in Funnell (1998)); 19.10 (PP per CRP); Rye Harbour, 20.11; 21.11; 22.11; 25.11 (PP per CRP); EAST KENT (15): Densole, 4.9 - 1 male; 24.9 - 1 female; 26.11 - 1 female (TR); Dungeness, 10.8 - 2 males (TR); 11.8 - 2 (Tunmore (1998a), also given as DW per SPC (possibly same as previous record); 30.8; 18.10 - 2 (DW per SPC); 16.9 (KR per SPC); 5.10 - 2 males; 17.10 - 1 female (TR); Folkestone Warren, 27.11 - 3 male (TR); Greatstone, 16.5 (Hill (1997), given as BB per SPC); 15.7; 19.8 (BB per SPC); Kingsdown, 11.7 (DB); Kingsgate, 22.8; 8.10 (Solly 1998); Littlestone, 15.5; 6.10 - 2 (KR per SPC); Lydd, 10.9; 11.9; 11.10 (KR per SPC); New Romney, 11.8; 21.8; 15.11 (SPC); Ramsgate, 17.8; 24.9; 26.9; 15.11 (Solly 1998); Sandwich Bay, 9 - 1 (Garme & Lyckett 1998); WEST KENT (16): Dartford, 19.9 (BKW); SURREY (17): Lingfield, 25.11 - 1 female; 28.11 - 1 female (JHC); SOUTH ESSEX (18): Bradwell-on-Sea, 24.9 to 27.11 - 12 (inc. 11 - 9) (Dewick 1998); 26.9 (DB); Maldon Memory Close, 6.6 (S.D. Wood per BG); NORTH ESSEX (19): Dovercourt, 27.9; 18.10 (CG per BG); Kirby-le-Soken, undated (PB per BG); St Osyth, 8.10 (RWA per BG); EAST SUFFOLK (25): Languard Bird Observatory, undated - 5 (Odin 1998); EAST NORFOLK (27): Lound, 25.11 (R. Murray per Hipperson (1998)); WEST NORFOLK (28): Holkham NNR, 9.8 (MT per Hipperson (1997)); EAST GLOUCESTERSHIRE (33): The Apiary (SO9424), 19.5 (R. Homan per RG); Cheltenham, undated (per RG) (possibly same as previous record); CHANNEL ISLANDS (113): L'Ancreesse, Guernsey, 3.10 (RA per Austin (1998a)); La Broderie, Guernsey, 26.11 (PC per Austin (1998b)); Le Chene, Guernsey, 19.10 (TNNDP per Austin (1998a)); St Martin's, Guernsey, 19.10 (WA per Austin (1998b)).

Summary: (1): approx. 61; (3): 3; (9): 12; (10): 16; (11): 4; (12): 4; (13): 24; (14): 15(or 16); (15): approx. 35; (16): 1; (17): 2; (18): 14; (19): 4; (25): 5; (27): 1; (28): 1; (33): 1(?) (113): 4.

**Rannoch Looper *Itame brunneata* (Thunberg) [I]**

ISLE OF WIGHT (10): near Shalfleet, 18.6 (Waring 1997b); WEST NORFOLK (28): Docking, 12.6 (A. Pettigrew per Hipperson (1997)) (correctly given as 11.6 in Waring (1997b) and Anon (1998b)); Holkham NNR, 11.6 (MT per Hipperson (1997)).

**Feathered Beauty *Peribatodes secundaria* ([Denis & Schiffermüller]) [I?]**

NORTH ESSEX (19): Kirby-le-Soken, 27.7 (PB per Anon (1998b)).

**Barred Red *Hylaea fasciaria* (Linnaeus) [I?]**

DORSET (9): Portland Bird Observatory, 25.7 (Cade 1998); EAST SUSSEX (14): Houghton Green, Rye, 11.9 - 2 (inc. 1 ab. *prasinaria*) (GAC); EAST SUFFOLK (25): Languard Bird Observatory, undated - 2 (Odin 1998).

**SPHINGIDAE****Convolvulus Hawk-moth *Agrius convolvuli* (Linnaeus) [I]**

WEST CORNWALL (1): Church Cove, 6.9; 7.9; 11.9 (P. Sharpe per MT); 16.9 - 2; 29.9 (MT); Coverack, 6.10 (DB); Higher Moors, Isles of Scilly, 18.10 (JPM); Isles of Scilly, 9 - 5 or 6 per night (R. Edmonson per Barnett, Edmonson & Evans (1997a)); Kynance, 18.9 - 4; 19.10 (MT); Longrake, nr. Penzance, 9 (S. Barron per L. Rogers); Porthloo, St. Mary's, Isles of Scilly, 22.10 (JPM); St. Agnes, Isles of Scilly, 10.8 - 3 (Hicks & Hale 1998); 14.8 - 2; 16.8 - 3; 20.8 - 2; 22.8 - 4; 24.8 - 6; 1.9 - 5; 3.9 - 2; 4.9 - 5; 6.9 - 2; 8.9 - 2; 10.9 - 4; 13.9; 15.9; 18.9; 20.9 - 2; 21.9 - 7; 22.9 - 2; 23.9; 24.9; 30.9; 19.10 - 2 (MEH); The Lizard, autumn - 12 (Tunmore 1998e); EAST CORNWALL (2): Welcombe, 22.9 (GEH); SOUTH DEVON (3): Abbotskerswell, 27.8 (BPH); Churston Court Farm (SX905564), 3.9 (DSF per RFM); Dawlish Warren, 8.9 to 14.9 - larvae (I. Lakin per RFM); Plymouth, 15.9 (P.G. Sutton per RFM); Thorverton, 11.9 (K. Bailey per RFM); Winkleigh, nr. Okehampton, 16.9 (per RFM); DORSET (9): Abbotsbury, early 9 (G. Hibberd-Jones per MSP); Durlston Head, 24.8 (RB); 30.9 (GAC); Portland Bird Observatory, 8.8 to 23.9 - 25 (inc. 7.9 - 5) (Cade 1998); Studland, 19.10 (DB); ISLE OF WIGHT (10): Binstead 15.8; 22.8; 6.9 - 2; 18.9; 19.9; 18.10 (BJW); Freshwater, 18.9 (SAKJ); no locality given, undated - 20 (Knill-Jones 1998c) (presumably includes previously listed records); WEST SUSSEX (13): Hassocks, 2.10 (G. Jerry per CRP); Hove, 5.9 (per Booth Museum of Natural History per CRP); near Pagham Harbour, 31.8 (SP per CRP); Portslade 9.9 (per Booth Museum of Natural History per CRP); Southwick, 17.9 (C. Rhodes per CRP); Walberton, 30.8; 2.9; 10.9; 27.9 (JTR per CRP); EAST SUSSEX (14): Crowborough, 21.9 - 1 larva (MJS per CRP); Hastings, undated (Mr Joy per CRP); Pett Levels, 31.8 (PT per CRP); Ringmer, 25.8 - 2 larvae (Mrs Hoskin per CRP); Rye Harbour, 25.8 (DJF per CRP); 4.9; 9.9 (DJF & PP per CRP); EAST KENT (15): Densole, near Folkestone, 28.8 - 1 male; 7.10 - 1 male; 8.10 - 1 female (TR); Folkestone, 7.10 - 1 male (TR); Greatstone, 10.9 (BB per SPC); Kingsgate, 23.8; 5.9 - 3; 10.9; 14.10 (Solly 1998); Littlestone, 30.8 (KR per SPC); Lydd, 9.10 (KR per SPC); WEST KENT (16): Allhallows, 11.9 (Mrs G. Salmon per JM<sup>2</sup>); SOUTH ESSEX (18): Bradwell-on-Sea, 21.8 to 6.10 - 11 (inc. 6.9 - 2) (Dewick 1998) (given as a total of 13 by BG); 25.9 (DB); Ingatestone, 10 - 2 (GS per BG); NORTH ESSEX (19): Bulmer, 10.9 (D. Sears per BG); Clacton-on-Sea, 7.8 (I. Fox per BG); Debden Green, 7.8 (RM per BG); Dovercourt, 15.9 (CG per BG); Kirby-le-Soken, undated - 2 (PB per BG); Mashbury, 27.9 (M. Tarrant per BG); Mersea Island, 4.9 (D. Nicholls per BG); Stanway, 22.8 (N. Cuming per BG); MIDDLESEX (21): Bedford, 29.9 (W.H. Chester per CWP); EAST SUFFOLK (25): Languard, 9 (Waring 1997c); EAST NORFOLK (27): Cromer, 14.8 (G. Lee per Hipperson (1997)); East Tuddenham, 5.9 (A. Bull per Hipperson (1997)); Eccles, 11.6; 27.9; 28.9; 30.9 (NB per Hipperson (1997)) (16.6 - 2 in Bowman (1998), no mention of 11.6 record); Hempstead, 11.9 (D. Russell per Hipperson (1997)); Sea Palling, 11.6 - 2 (Hill 1997); WEST NORFOLK (28): Hindringham, 31.8 (GS per Hipperson (1997)); Holkham NNR, 31.8; 1.9 (MT per Hipperson (1997)); Scolt Head Island, 8.8 (N. Lawton per Tunmore (1998a));

CAMBRIDGESHIRE (29): Trumpington, Cambridge, mid 6 - 1 brought in by a cat (per Dr. I. Kitching); WEST GLOUCESTERSHIRE (34): St Briavels, 29.8 (RG); CARMARTHENSHIRE (44): Betws, 15.9 (Morgan & Lucas 1997); Ffairyfach, 1.9 (Morgan & Lucas 1997); PEMBROKESHIRE (45): Skomer Island, 27.9; 30.9 (NL); CAERNARVONSHIRE (49): Cors Bodgynydd, 9.8 (Waring 1997c); NORTH LINCOLNSHIRE (54): Dalby, 25.8 (Mrs M.E. Dawson per RJ); Gibraltar Point, 19.9; 24.9; 27.9 (Wilson, K. 1998); Roughton Moor, 30.8; 5.9 (JJ per RJ); NOTTINGHAMSHIRE (56): Cotgrave, 20.9 (M. Musgrave per SW); SOUTH-EAST YORKSHIRE (61): Spurn Bird Observatory, 10.8; 31.8; 9.9; 14.9 (Spence 1998); Filey Country Park, 9 (Waring 1997c); ISLE OF MAN (71): Calf of Man Bird Observatory, 3.9 (TB); Dhoon Maughold, 4.9 (LK per GDC); "THE BORDERS": no locality given, 9 - 2 (Waring 1997c); DUMFRIESSHIRE (72): 2 localities, details not given, 5.10 - 2 (Patterson 2000); WIGTOWNSHIRE (74): near Newton Stewart, 7.8 (A. Davis per Waring (1997c)); BERWICKSHIRE (81): Eyemouth, 5.10 - 3, to *Nicotiana* (Patterson 2000); MAIN ARGYLL (98): Oban, 8 or 9.9 (reported a; *Agrius cingulata* but almost certainly refers to *A. convolvuli*) (per JM<sup>2</sup>); ORKNEY ISLANDS (111): 28.8 to 7.9 - 8 (Gould 1998); SHETLAND ISLANDS (112): 22.8 to 5.9 - almost 30, including 6 in one garden at North Roe and 4 within 50m of each other at Baltasound (Penington 1998); CHANNEL ISLANDS (113): L'Ancrese, Guernsey, 17.10 (RA per Austin (1998a)); La Broderie, Guernsey, 5.8 - 2; 7.8; 4.9; 7.9; 23.9; 24.9 (PC per Austin (1998a)) (as 6.8; 8.8; 5.9; 8.9; 24.9 & 25.9 in Austin (1998b)); Le Gouffre, Guernsey, 28.9 (JB per Austin (1998a)). Summary: (1): approx. 79; (2): 1; (3): 5 + larvae; (9): 29; (10): approx. 20; (13): 9; (14): 5 + 3 larvae; (15): 13; (16): 1; (18): 14; (19): 9; (21): 1; (25): 1; (27): 9; (28): 4; (29): 1; (34): 1; (44): 2; (45): 2; (49): 1; (54): 6; (56): 1; (61): 5; (71): 2; (72): 2; The Borders: 2; (74): 1; (81): 3; (98): 1; (111): 8; (112): almost 30; (113): 9.

#### **Death's-head Hawk-moth *Acherontia atropos* (Linnaeus) [I]**

WEST SUSSEX (13): Littlehampton, early 9 - 1 pupa (R. Feist per CRP); NORTH ESSEX (19): Cressin Tye green, 9.6 - 1 pair in cop. (L. Wenlock per BG); Cutlers Green, 10 - 3 larvae (RM per BG); Wimbish, 10 - 1 larva (RM per BG); CHANNEL ISLANDS (113): La Broderie, Guernsey, 22.9 (PC per Austin (1998a)) (as 23.9 in Austin (1998b)).

#### **Pine Hawk-moth *Hyloicus pinastri* (Linnaeus) [I?]**

CHANNEL ISLANDS (113): La Broderie, Guernsey, 13.7 (PC per Austin (1998b)).

#### **Humming-bird Hawk-moth *Macroglossum stellatarum* (Linnaeus) [I/R(t)?/R?]**

WEST CORNWALL (1): Church Cove, 6.9; 8.9 (P. Sharpe per MT); 29.9 - 1 to light (MT); 10.10 (I. Reid per MT); Lizard village, 23.11 (Tunmore (1998e), C. Wills per MT); St Agnes, Isles of Scilly, 13.3; 20.3; 21.3; 29.3; 10.4; 5.5; 11.5; 25.7 - 2; 22.8; 25.8; 1.9; 2.9; 4.9 - 2; 5.9; 18.9; 26.9 (MEH); SOUTH DEVON (3): Buckfastleigh, 5.7 to 31.7 (J. Waters per RFM); Churston Court Farm (SX905564) (DSF per RFM); Honiton, 8.3 (P. Hurst per RFM); Plymouth, undated, (P.G. Sutton per RFM); Sampford Spinney, 7 (M. D'Oyly per RFM); Teignmouth, 21.10 (R. & L. Normand per RFM); SOUTH WILTSHIRE (8): Coombe Bisset Down, 31.7 (GRE); DORSET (9): Portland Bird Observatory, 6 to 10 - less than 20 (Cade 1998); ISLE OF WIGHT (10): Binstead 12.5; 23.5; 17.9 (BJW); Freshwater, 20.3 (Knill-Jones 1998a); Wootton, 12.5 (Hill 1997); SOUTH HAMPSHIRE (11): Chandlers Ford, 11.3 (Goater 1998); NORTH HAMPSHIRE (12): Yateley, 4.4 (Goater 1998); WEST SUSSEX (13): Hove, 3.5 - 2 (R.M. Craske per CRP); Littlehampton, 21.8 (SP per CRP); West Chiltington, 21.6 (F. Dougharty per CRP); EAST SUSSEX (14): Beachy Head, 6.10 (R. Charlwood per CRP); Peacehaven, 14.5; 19.5; 20.5; 30.5; 31.5; 1.6 - 2; 3.6; 5.6; 2.8 (CRP); Rottingdean, 18.3 (M. Ruff per CRP); EAST KENT (15): Dungeness, 11.5; 31.5 (per DW per SPC); Kingsgate, 14.7 (Solly 1998); Newington, 16.3 (R. Lane); New Romney, early 3 (K. Redshaw per Tunmore (1997)); Sandwich, 18.6 - 1 found at rest at dusk (TR); SURREY (17): Croydon, 19.5 (Mrs L. Pitkin); Tooting, 3 or 4 (BFS per Waring (1997a)); Warlingham, 18.10 (M. Kerley);

Walthamstow, 3 or 4 (BFS per Waring (1997a)); SOUTH ESSEX (18): Bradwell-on-Sea, 22.9 (S. Dewick per Dewick (1998)); Brentwood, 29.7 (B. Wilkens per BG); NORTH ESSEX (19): St Osyth, 4.9 (RWA per BG); HERTFORDSHIRE (20): Hemel Hempstead, 21.3 (M. Newland per CWP); EAST NORFOLK (27): Cromer, 28.8 (G. Lee per Hipperson (1997)); Norwich, 7.1 (Tunmore 1997); Sheringham, 13.6 (F. Farrow per Hipperson (1998)); WEST GLOUCESTERSHIRE (34): Wotton-under-Edge, 12.3 (B.P.S. Cleal per RG); CARMARTHENSHIRE (44): Maesycrugiau, 10.4 (Morgan & Lucas 1997); ISLE OF MAN (71): Douglas, 19.5 (J. Rogers per GDC); Glen Maye Patrick, 16.5 (R. Walker per GDC); CHANNEL ISLANDS (113): L'Ancrese, Guernsey, 22.3 (IH per Austin (1998a)); La Broderie, Guernsey, 14.10 - 1 at my light (PC per Austin (1998a)) (as 15.10 in Austin (1998b)); Le Chene, Guernsey, 1.5 (TNPD per Austin (1998a)); Les Amarreurs, Guernsey, 15.6 (IH per Austin (1998a)); Les Terres, Guernsey, 2.4 (IH per Austin (1998b)); Rue Marquand, St. Andrew's, Guernsey, 9.4; 12.4 (J. Le Huquet per Austin (1998a)); St. Peter Port, Guernsey, 22.3 (IH per Austin (1998a)).

Summary: (1): 23; (3): approx. 6; (8): 1; (9): approx. 20; (10): 5; (11): 1; (12): 1; (13): 4; (14): 12; (15): 6; (17): 8; (18): 2; (19): 1; (20): 1; (27): 3; (34): 1; (44): 1; (71): 2; (113): 8.

#### **Oleander Hawk-moth *Daphnis nerii* (Linnaeus) [I]**

EAST KENT (15): Densole, near Folkestone, 1.9 - 1 male (TR); SHETLAND ISLANDS (112): Baltasound, 2.9 (Pennington 1998).

#### **Spurge Hawk-moth *Hyles euphorbiae* (Linnaeus) [I]**

EAST KENT (15): Dungeness, 12.6 - 1 male (SPC).

#### **Bedstraw Hawk-moth *Hyles gallii* (Rottemburg) [I]**

ISLE OF WIGHT (10): Bonchurch, 16.7 (Knill-Jones 1998c); SOUTH HAMPSHIRE (11): Southsea, 20.7 (Langmaid 1998a); EAST SUSSEX (14): Rye Harbour, 5.7 (DJF per CRP); NORTH ESSEX (19): Lamarsh, 17.7 (IG per BG); EAST SUFFOLK (25): Dunwich Forest, 24.5 - flying by day (Hill 1997); Minsmere, 1.6 (Hill 1997) (as 2.6 in Anderson & Wilson (1998)); EAST NORFOLK (27): Edgefield, 29.6 (A. Starling per Hipperson (1998)); Kelling, 7.6 (Hill 1997); Morton, 8.8 (T. Crafer per Tunmore (1998a)); WEST NORFOLK (28): Holkham NNR, 11.8; 22.8 (MT per Hipperson (1997)); NORTH LINCOLNSHIRE (54): Grebby, 22.7 (W.G. Hoff per RJ); Scotton Common, 16.8 (K. Skelton per RJ); 17.8 (RJ); WESTMORLAND (69): South Walney N.R., 21.7; 22.7; autumn - at least 4 larvae (Makin 1998); ISLE OF MAN (71): Kirk Michael, 30.8 - 1 larva (D. & E. Ford per GDC).

Summary: (10): 1; (11): 1; (14): 1; (19): 1; (25): 2; (27): 3; (28): 2; (54): 3; (69): 2 + 4 larvae; (71): 1 larva.

#### **Striped Hawk-moth *Hyles livornica* (Esper) [I]**

EAST KENT (15): Dungeness, 12.6 (Hill 1997); Kingsgate, 26.8 (Solly 1998); NORTHAMPTONSHIRE (32): Daventry area, 14.11 (Williams 1998).

### **NOTODONTIDAE**

#### **Scarce Chocolate-tip *Closteria anachoreta* ([Denis & Schiffermüller]) [I?/V?/R?]**

EAST KENT (15): New Romney, 5.8 (Clancy & Walker 1998); SOUTH ESSEX (18): Bradwell-on-Sea, 5.8 (AJD per Dewick (1999)).

### **THAUMETOPOEIDAE**

#### **Oak Processionary *Thaumetopoea processionea* (Linnaeus) [I]**

CHANNEL ISLANDS (113): Le Chene, Guernsey, 17.8 (TNPD per Austin (1998a)) (as DJLA in Austin (1998b)).

**LYMANTRIIDAE****Brown-tail *Euproctis chrysorrhoea* (Linnaeus) [I?]**

WEST CORNWALL (1): St Agnes, Isles of Scilly, 21.7 (MEH).

**Gypsy Moth *Lymantria dispar* (Linnaeus) [I]**

CHANNEL ISLANDS (113): Le Chene, Guernsey, 16.8 (TNDP per Austin (1998a)).

**ARCTIIDAE****Dotted Footman *Pelosia muscerda* (Hufnagel) [I]**

WEST SUSSEX (13): Walberton, 11.8 (JTR per CRP); EAST SUSSEX (14): Icklesham, 11.8 (IDH per CRP); Winchelsea Beach, 5.8 (DB) (as Rye Harbour in Funnell (1998)); EAST KENT (15): Sandwich Bay, 19.8 (Game &amp; Lyett 1998); SOUTH ESSEX (18): Beaumont, 8.8 (J.B. Fisher per Anon (1998b)).

**Hoary Footman *Eilema caniola* (Hübner) [I?/V?]**

DORSET (9): Portland Bird Observatory, 11.8; 1.9 (Cade 1998); ISLE OF WIGHT (10): Bonchurch, 7.9 (J. Halsey per Knill-Jones (1998b)) (as 9.9 in Knill-Jones (1998c)); SOUTH HAMPSHIRE (11): Brockenhurst, 19.10 (Goater 1998).

**Pigmy Footman *Eilema pygmaeola* (Doubleday) [I?]**NORTH ESSEX (19): Tollesbury, 18.7 - 1 ssp. *pallifrons* (JF & BG per BG); CHANNEL ISLANDS (113): St Martin's, Guernsey, 6.7 (WA per Austin (1998b)).**Four-spotted Footman *Lithosia quadra* (Linnaeus) [I?]**

WEST CORNWALL (1): Coverack, 5.10; 7.10 (DB); The Lizard, 5.10; 18.10 (Tunmore 1998e) (given as Church Cove per MT).

**Speckled Footman *Coscinia cibraria* (Linnaeus) [I]**

EAST KENT (15): Kingsgate, 8.8 (Solly 1998).

**Crimson Speckled *Utetheisa pulchella* (Linnaeus) [I]**

WEST CORNWALL (1): Carleton Bay Beach, 20.9 (P. Boggis per Anon (1998b)); Lower Lanner, The Lizard, 2.9 (R. Howard per Tunmore (1998e)); St Marys, Isles of Scilly, 19.10 (reported to be almost certainly this species) (A. Harding per JPM).

**Jersey Tiger *Euplagia quadripunctaria* (Poda) [I?/R(t)?/V?]**

EAST SUSSEX (14): Rye Harbour, 12.8; 20.8 (DJF &amp; PP per CRP).

**NOLIDAE****Kent Black Arches *Meganola albula* ([Denis & Schiffermüller]) [I?/V?/R?]**

NORTH LINCOLNSHIRE (54): Gibraltar Point, 19.7 (D. Brown per RJ); Saltfleetby-Theddlethorpe, 12.7 (JJ &amp; G. Wright per R.J.).

**NOCTUIDAE****Coast Dart *Euxoa cursoria* (Hufnagel) [I]**

EAST KENT (15): Ramsgate, 27.7 (Solly 1998); NORTH ESSEX (19): St Osyth Lane, 2.8; 6.8 (RWA per BG).

**Great Dart *Agrotis crassa* (Hübner) [I]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 10.8 - 3 (Hicks &amp; Hale 1998); DORSET (9): Portland, 11.8 (also what was considered to be same individual on 14.8 &amp; 15.8 (Cade 1998)).

**Portland Moth *Actebia praecox* (Linnaeus) [R?/I?]**

EAST SUSSEX (14): Rye Harbour, 17.8; 21.8 (DJF per Tunmore (1998a)); EAST KENT (15): Dungeness, 12.8 - 2 (DW per Tunmore (1998a)); Greatstone, 11.8 (BB per Tunmore (1998a));

Littlestone, 5.8 (KR per Tunmore (1998a)); New Romney, 31.8 (KR per Tunmore (1998a)); EAST NORFOLK (27): Edgefield, 8.8 (S. Harrap & A. Starling per Tunmore (1998a)).

Summary: (14): 2; (15): 5; (27): 1.

**Black Collar *Ochropleura flammata* ([Denis & Schiffermüller]) [I]**

SHETLAND ISLANDS (112): Eswick, 28.6 (Rogers 1998).

**Radford's Flame Shoulder *Ochropleura leucogaster* (Freyer) [I]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 30.10; 21.11 (Hicks & Hale 1998).

**Great Brocade *Eurois occulta* (Linnaeus) [I]**

WEST SUSSEX (13): Walberton, 26.7 (JTR per CRP); EAST KENT (15): Kingston, Canterbury, 15 to 18.7 - 1 roosting among curtains (KE); SOUTH ESSEX (18): Bradwell-on-Sea, 22.7 - 1 at *Buddleia* blossom (Dewick 1998) (given as 3 by BG); NORTH LINCOLNSHIRE (54): Dalby, 24.7; 8.8 (Mrs M.E. Dawson per RJ); Grebby, 21.7 (W.G. Hoff per RJ); Wragby, 8 (C. Smith per RJ); NOTTINGHAMSHIRE (56): Wollaton Park, 6.8 (per SW); SOUTH-EAST YORKSHIRE (61): Spurn Bird Observatory, 23.7 (Spence 1998); NORTH ABERDEENSHIRE (93): Oldmeldrum, 25.7 and several subsequently (MY per Waring (1997c)); BANFFSHIRE (94): Ordiquhill, 5.8; 11.8 - 2; 13.8 (RL); SHETLAND ISLANDS (112): 20.7 to 2.9 - 60 (Penington 1998).

Summary: (13): 1; (15): 1; (18): 1; (54): 4; (56): 1; (61): 1; (93): 1+; (94): 4; (113): 60.

**Pale Shining Brown *Polia bombycina* (Hufnagel) [I]**

EAST KENT (15): Lydd, 13.6 - grey, continental form (Clancy & Walker 1998) (1 female, KR per SPC).

**Beautiful Brocade *Lacanobia contigua* ([Denis & Schiffermüller]) [I?]**

EAST KENT (15): Dungeness, 11.6 - 1 male (DW per SPC).

**White-point *Mythimna albipuncta* ([Denis & Schiffermüller]) [I/R(t)?]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 10.8; 11.8; 14.8; 22.8 (MEH); SOUTH DEVON (3): Churston Court Farm (SX905564), 19.10 (DSF per RFM); DORSET (9): Durlston Head, Swanage 24.8 - 2 (RB); 2.10 (JHC); Portland Bird Observatory, 23.6 to 19.10 - 38 (Cade 1998) (given as 3.6 to 19.10 - 38 (MC)); Studland, 19.10 (DB); ISLE OF WIGHT (10): Binstead, 20.10 (BJW); Freshwater, 23.6 to 17.11 - 11 (considered "now resident") (SAKJ); no locality given, undated - 40 (Knill-Jones 1998c) (presumably includes previous records); SOUTH HAMPSHIRE (11): Linford, 14.8 (Goater 1998); Woolston, 19.8; 26.8 (Goater 1998); WEST SUSSEX (13): Climping, 15.8 (JTR per CRP); Littlehampton, 3.9 (REP per CRP); Middleton-on-Sea, 31.5 - 1 to actinic light (RJB); Walberton, 10.8, 20.8; 22.8; 30.10; 17.11 (JTR per CRP); EAST SUSSEX (14): Beachy Head, 12.8 (JS per CRP); 22.8 - 2 (J. Platts per CRP); Crowborough, 22.8 (MJS per CRP); Fairlight, 9.8 (DJF, BFS & MSP); Icklesham, 14.6 - 2; 8.7; 12.8 - 3 (IDH per CRP); Peacehaven, 8.8 - 2; 11.8 - 2; 15.8; 16.8; 21.8; 22.8; 23.8; 24.8 - 3; 5.9 (CRP); Pett Levels, 31.8 (PT per CRP); Rye Harbour, 5.6; 6.6; 14.6; 16.6; 24.6; 7.7; 8.8 - 4; 11.8; 12.8; 31.8 (DJF per CRP); 10.8; 14.8; 23.8; 27.8; 30.8; 1.9; 4.9; 6.9 - 2; 7.9 - 3 (DJF & PP per CRP); 10.9 (PP per CRP); 11.9 (DB); Woodingdean, 10.8 (JS per CRP); EAST KENT (15): Densole, 8.6; 8.8; 9.8; 11.8; 18.8; 14.9; 19.9; 17.10 (TR); Dungeness, 6.6; 11.6 - 3 (Hill 1997); 6.6 (DB); 10.8; 18.8 - 6; 2.9 (TR); 11.9 (GAC); 26.8 (MT); 11.8; 15.8; 25.8; 30.8 - 3; 1.9; 4.9 - 2; 5.9 (KR per SPC); 6.6; 7.6; 10.8 - 3; 11.8 - 4; 12.8; 24.8; 6.9 (DW & SPC); Folkestone Warren, 8.8; 17.10 (TR); Greatstone, 30.5; 10.8; 11.8 - 5; 12.8 - 3; 13.8 - 2; 15.8; 19.8; 20.8 - 2; 26.8 - 2; 1.9; 4.9; 5.9 (BB per SPC); Littlestone, 16.5; 5.6; 11.6; 11.8 - 6; 13.8; 15.8; 17.8 - 2; 30.8 - 3; 31.8 (KR per SPC); Lydd, 15.8; 16.8; 20.8; 25.8 - 2; 27.8; 28.8 (KR per SPC); Lydd-on-Sea, 12.8 (SPC); New Romney, 12.8; 15.8; 16.8 - 2; 18.8; 22.8; 23.8; 31.8 (KR per SPC); 10.8; 16.8; 17.8; 24.8 - 3; 25.8; 5.9 (SPC);

Sandwich Bay, 8 - 7 (Game & Lycett 1998); Stoneleigh (probably refers to Stonelees), 6.6 (Hill 1997); SOUTH ESSEX (18): Bradwell-on-Sea, 6.6; 7.6; 23.6; 10.8 to 3.9 - 24; 1.10 (Dewick 1998); Theydon Bois, 7.7 (J.G. Green per BG); West Tilbury, 3.8 (DGD); NORTH ESSEX (19): Dovercourt, 13.6 (CG per BG); Jaywick, 18.7 (JY per BG); St Osyth, 16.8 (RWA per BG); EAST SUFFOLK (25): Languard Bird Observatory, undated - 8 (Odin 1998); EAST NORFOLK (27): Eccles, 18.8; 20.8 (NB per Hipperson (1997); Hainford, 21.8 (Hipperson 1997); WEST NORFOLK (28): Holkham NNR, 22.8 (MT per Hipperson (1997)); SOUTHEAST YORKSHIRE (61): Spurn Bird Observatory, 10.6 (Spence 1998); CHANNEL ISLANDS (113): small nos. between 17.5 and 18.10, "probably resident as well as a migrant" (Austin 1998a); "Small numbers to light on 43 nights at eight sites" 3.5 to 7.11 (Austin 1998b) Summary: (1): 4; (3): 1; (9): 42; (10): 40; (11): 3; (13): 8; (14): 53; (15): 117; (18): 30; (19): 3; (25): 8; (27): 3; (28): 1; (61): 1; (113): at least 43, "probably resident".

#### **The Delicate *Mythimna vitellina* (Hübner) [I/R(t)?]**

WEST CORNWALL (1): Church Cove, 25.3 (Hill 1997); 7.7; 11.7; 15.9; 16.9; 27.9 - 3; 30.9; 1.10; 3.10; 6.10; 12.10; 14.10; 30.10 (MT); Coverack, 5.10 - 2; 16.10 (DB); 5.10 - 2 (possibly same as previous); 6.10 (MT); Kynance, 18.9; 18.10 - 2; 19.10 (MT); St. Agnes, Isles of Scilly, 12.5; 3.5 - 2; 22.5 - 2; 29.5 - 2; 3.6 - 2; 9.6 - 5; 11.6 - 7; 14.6 - 7; 16.6 - 4; 21.6 - 5; 23.6 - 5; 28.6 - 3; 30.6 - 4; 3.7 - 2; 5.7; 14.8 - 2; 15.8 - 2; 16.8; 24.8 - 2; 1.9 - 8; 3.9; 4.9 - 7; 6.9; 8.9 - 8; 10.9 - 14; 13.9 - 8; 15.9 - 5; 17.9 - 8; 18.9 - 7; 20.9 - 4; 21.9 - 5; 22.9 - 5; 23.9 - 3; 24.9 - 5; 25.9 - 13; 30.9 - 6; 1.10 - 5; 2.10 - 7; 4.10 - 8; 10.10 - 4; 15.10 - 2; 17.10; 18.10 - 4; 19.10 - 3; 22.10 - 2; 23.10 - 2; 24.10 - 2; 29.10; 30.10; 31.10; (MEH); Porthloo, St. Mary's, Isles of Scilly, 17.10 - 2; 18.10; 19.10 - 2; 22.10 - 5; 23.10 - 3 (JPM); The Lizard, autumn - 14 (Tunmore 1998e) (possibly includes previous records); Tremelethen Farm, St. Mary's, Isles of Scilly, 12.10 - 3; 13.10; 14.10 - 2; 16.10; 17.10 (JPM); EAST CORNWALL (2): Kilkhampton, 23.9 (GEH); SOUTH DEVON (3): Churston Court Farm (SX905564), 29.9 (DSF per RFM); Tuckermash, Bere Alston, 30.9 (Bogue 1998); NORTH DEVON (4): Abbotsham, Bideford, 25.9 (A.S. Henderson per RFM); DORSET (9): Durlston, 18.10 (DB); Durlston Head, Swanage, 30.9 (GAC); 2.10 (JHC); Portland Bird Observatory, 14.5 to 19.10 - 36 (inc. 1.9 - 3) (Cade 1998); ISLE OF WIGHT (10): Bininstead, 6.9 (Goater 1998) (as 7.9 (BJW); Freshwater, 28.8 - 3; 14.9; 17.9; 18.9; 20.10 (SAKJ); no locality given, undated - 15 (inc. 11.5) (Knill-Jones 1998c) (probably includes previous records); SOUTH HAMPSHIRE (11): Brockenhurst, 30.8 (Goater 1998); Sparsholt, 17.5; 31.5 (RB); NORTH HAMPSHIRE (12): Selborne, 31.8; 6.9 (AA); WEST SUSSEX (13): Littlehampton, 6.9 (SP per CRP); Walberton, 9.5; 30.8; 3.9 - 3; 4.9; 9.9; 11.10 - 2; 17.10; 25.11 (JTR per CRP); EAST SUSSEX (14): Hastings, 3.9 (PT per CRP); Peacehaven, 1.9; 3.9 - 2; 6.9; 18.9 (CRP); Pett Levels, 31.8 (PT per CRP); Rye Harbour, 24.7 (K. Palmer per CRP); 24.8; 30.8; 6.9; 8.9 (DJF & PP per CRP); 4.9 - 3 (DJF per CRP); 9.9; 10.10; 11.10 (PP per CRP); 14.11 (PP per CRP); EAST KENT (15): Dungeness, 30.9 (DW per SPC); 29.8; 30.8 - 2; 5.9 - 2 (KR per SPC); Herne Bay, 12.5 (Hill 1997); Lydd, 11.10 (KR per SPC); Nagden, Faversham, 23.8 (GAC); New Romney, 19.5 (KR per SPC); SOUTH ESSEX (18): Bradwell-on-Sea, 18.9 (Dewick 1998); NORTH ESSEX (19): St Osyth, 3.9 (RWA per BG); EAST SUFFOLK (25): Languard Bird Observatory, undated - 2 (Odin 1998); GLAMORGAN: Black Hope 7.6 (Hill 1997); CHANNEL ISLANDS (113): small nos. between 9.6 and 2.11, "probably resident as well as a migrant" (Austin 1998a); "Ones and twos to light on 34 nights at seven sites" 10.6 to 2.11 (Austin 1998b). Summary: (1): 254 (or 256); (2): 1; (3): 2; (4): 1; (9): 39; (10): 15(?); (11): 3; (12): 2; (13): 12; (14): 19; (15): 10; (18): 1; (19): 1; (25): 2; Glamorgan: 1; (113): at least 34, "probably resident".

#### **White-speck *Mythimna unipuncta* (Haworth) [I]**

WEST CORNWALL (1): Church Cove, 5.3 - 2; 25.3; 27.9; 11.11; 18.11; 21.11; 22.11; 23.11; 25.11 - 6; 27.11 - 3; 28.11 - 3; 29.11 - 3; 30.11; 1.12 - 2; 3.12 (MT); Peninnis Head, Isles of Scilly, 19.10 (JPM); Porthloo, St. Mary's, Isles of Scilly, 17.10 - 4; 18.10 - 2; 19.10; 22.10 - 38; 23.10 - 3 (JPM); St. Agnes, Isles of Scilly, 2.3 - 2; 9.3; 16.5; 21.5; 30.5; 3.6; 5.7; 6.8; 14.8;

15.8; 18.8 - 2; 20.8; 22.8 - 3; 24.8 - 2; 3.9 - 2; 4.9 - 4; 6.9; 8.9 - 3; 10.9 - 2; 13.9 - 2; 18.9 - 4; 20.9; 24.9 - 2; 25.9 - 3; 30.9; 2.10; 4.10; 10.10 - 4; 15.10; 17.10 - 4; 18.10 - 16; 19.10 - 5; 22.10 - 16; 23.10 - 4; 24.10 - 5; 29.10 - 13; 30.10 - 14; 31.10 - 5; 1.11 - 16; 2.11 - 6; 12.10 - 7; 13.10 - 2; 21.11 - 9; 25.11 - 23; 26.11 - 22; 28.11 - 6; 3.12 - 2; 12.12 - 5; 19.12 - 3; 20.12 - 8 (MEH); The Lizard, autumn - 28 (inc. 11 - 25) (probably includes previous records); 5.12 (Tunmore 1998e); Tremelethen Farm, St. Mary's, Isles of Scilly, 12.10; 13.10 - 6; 14.10 - 2 (JPM); SOUTH DEVON (3): Teignmouth, 17.11 (RFM); DORSET (9): Portland Bird Observatory, 14.11 to 18.12 - 11 (MC); ISLE OF WIGHT (10): Arreton, 11.3 (D. Peach per Knill-Jones (1998b)); Freshwater, 9.3 (Knill-Jones 1998a); 31.8; 18.11 (SAKJ); Hacketts Land, Branstone, 11.3 (Goater 1998); no locality given, undated - 4 (Knill-Jones 1998c) (probably includes previous records); WEST SUSSEX (13): Walberton, 25.11; 29.11 (JTR per CRP); EAST KENT (15): Densole, 26.11 (TR); Newington, 12.7 (R. Lane); SOUTH ESSEX (18): Bradwell-on-Sea, 19.11 (Dewick 1998); EAST NORFOLK (27): Eccles, 13.6 (NB per Hipperson (1998)) (Bowman (1998) gives a single record on 27.11); CARMARTHENSHIRE (44): Trawsmawr, 24.7 (Morgan & Lucas 1997); ISLE OF MAN (71): Andreas, 19.10 (T. Callister per GDC).

Summary: (1): 332; (3): 1; (9): 11; (10): 5; (13): 2; (15): 2; (18): 1; (27): 1(?)2; (44): 1; (71): 1.

#### **The Cosmopolitan *Mythimna loreyi* (Duponchel) [I]**

WEST CORNWALL (1): The Lizard, 29.9 (Tunmore 1998e) (given as Church Cove per MT); EAST KENT (15): New Romney, 23.7 (Clancy & Walker 1998) (1 female, KR per SPC); SOUTH ESSEX (18): Bradwell-on-Sea, 30.8 (Dewick 1998) (as 31.8 per BG); EAST NORFOLK (27): Eccles, 4.9 (NB per Hipperson (1997)).

#### **Golden-rod Brindle *Lithomoia solidaginis* (Hübner) [I?/V?]**

SHROPSHIRE (40): Preston Montford, 16.8 (DB); SHETLAND ISLANDS (112): Eswick, 28.8 - 2 (T. Rogers per Waring (1997c)).

#### **Red Sword-grass *Xylena vetusta* (Hübner) [I?]**

NORTH ESSEX (19): Copperas Wood, 27.9 (P. Smith per BG).

#### **Sword-grass *Xylena exsoleta* (Linnaeus) [I?]**

EAST KENT (15): Herne Bay, 18.1 (B. Matlock per Anon (1998b)); SHETLAND ISLANDS (112): Eswick, 15.5; 26.9 (Penington 1998).

#### **Flame Brocade *Trigonophora flammea* (Esper) [I]**

Note: Does not include Channel Islands where the species is resident.

DORSET (9): Durlston Country Park, 17.10; 18.10 (DB & RB per Anon (1998b)) (given as Durlston Country Park, 18.10 & Studland, 18.10 (DB)); West Bexington, 17.10 (R. Eden per Anon (1998b)); EAST SUSSEX (14): Hastings, 10.10 (S. Richardson per Anon (1998b)); Rye Harbour, 10.10 (PP per CRP); EAST KENT (15): Dungeness, 15.10 (Clancy & Walker 1998) (1 male, S. Busulti per SPC); Lydd, 21.10 (Clancy & Walker 1998) (1 male, KR per SPC). Summary: (9): 3; (14): 2; (15): 2.

#### **Red-headed Chestnut *Conistra erythrocephala* ([Denis & Schiffermüller]) [I]**

DORSET (9): Portland Bird Observatory, 27.11 (Cade 1998).

#### **Pale-lemon Sallow *Xanthia ocellaris* (Borkhausen) [I?]**

DORSET (9): Wareham, 5.10 (B. Withers per Tunmore (1998d)); ISLE OF WHITE (10): Wootton, 5.10 (T. Redfern per Tunmore (1998d)); EAST KENT (15): Dungeness, 20.9 (F. Butcher per BFS); 1.10 (DW per Tunmore (1998d)) (1 male, per SPC); NORTH ESSEX (19): Lamarshe, 3.10 (IG per Tunmore (1998d)); WEST NORFOLK (28): Stiffkey, 17.10 (C. Gambrill per Tunmore (1998d)).

Summary: (9): 1; (10): 1; (15): 2; (19): 1; (28): 1.

**Tree-lichen Beauty *Cryphia algae* (Fabricius) [I]**

ISLE OF WIGHT (10): Freshwater, 21.8 (Knill-Jones 1998b); WEST SUSSEX (14): Middleton-on-Sea, 6.8 - 2; 7.8 - 3 (all to 40w actinic light) (RJB).

**Orache *Trachea atriplicis* (Linnaeus) [I?]**

Note: Does not include Channel Islands record.

EAST KENT (15): Greatstone, 24.7 (Clancy & Walker 1998) (1 female, BB per SPC); EAST SUFFOLK (25): Languard Bird Observatory, 1.7 (Odin 1998).

**Purple Cloud *Actinotia polyodon* (Clerck) [I]**

EAST KENT (15): Whiteness, 20.5 (Hill 1997) (as Kingsgate, 26.8 (in Solly 1998)); EAST NORFOLK (27): Eccles, 7.8 (NB per Hipperson (1997)).

**Angle-striped Sallow *Enargia paleacea* (Esper) [I/V?]**

EAST KENT (15): Orlestone Forest, 14.7 - 1 male (TR); EAST NORFOLK (27): Cawston, 22.9 (J. Sutton per Hipperson (1997)).

**Concolorous Chortodes *extrema* (Hübner) [I]**

EAST KENT (15): Greatstone, 5.6 - 1 male (BB per SPC, see also Hill (1997)); Kingsgate, 13.6 (Solly 1998).

**Dumeril's Luperina *Luperina dumerili* (Duponchel) [I]**

EAST SUSSEX (14): Peacehaven, 3.9 (CRP, conf. MSP).

**Small Mottled Willow *Spodoptera exigua* (Hübner) [I]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 22.10 (Hicks & Hale 1998); SOUTH HAMPSHIRE (11): Chandlers Ford, 14.3 (Goater 1998); EAST KENT (15): Ramsgate, 24.9 (Solly 1998); Sandwich Bay, 10 - 2 (Game & Lycett 1998); CHANNEL ISLANDS (113): Le Gouffre, Guernsey, 5.7 (JB per Austin (1998a)).

**Scarce Bordered Straw *Heliocoverpa armigera* (Hübner) [I]**

WEST CORNWALL (1): Porthloo, St. Mary's, Isles of Scilly, 22.10 - 2 (JPM); Scilly Isles, 23.10 (JS per CRP); St. Agnes, Isles of Scilly, 20.9 (MEH); 22.10 - 3; 30.10 (Hicks & Hale 1998); The Lizard, autumn - 3 (Tunmore 1998e); EAST CORNWALL (2): Kilkhampton, 25.9 (GEH); SOUTH DEVON (3): Abbotskerswell, 18.9 (BPH); DORSET (9): Durlston Head, Swanage, 1.10; 2.10 - 2 (JHC); Portland Bird Observatory, 24.9; 19.10 (Cade 1998); ISLE OF WIGHT (10): Binstead, undated - 5 larvae on red geranium in garden (Goater 1998); no locality given, undated - 2 (Knill-Jones 1998c); SOUTH HAMPSHIRE (11): Woolston, 27.6 (Goater 1998); WEST SUSSEX (13): Walberton, 9.10 (JTR per CRP); EAST SUSSEX (14): Peacehaven, 23.8 (CRP); Rye Harbour, 8.8 (DJF per CRP); 25.9 (DJF & PP per CRP); EAST KENT (15): Dungeness, 12.8 (DW per SPC); Greatstone, 7.9 (BB per SPC); Kingsgate, 23.8 (Solly 1998); Lydd, 19.10; 20.10 (KR per SPC); New Romney, 16.8 (KR per SPC); Ramsgate, 14.8; 16.8 (Solly 1998); SURREY (17): Lingfield, 19.10 (JHC); SOUTH ESSEX (18): Bradwell-on-Sea, 3.10 (Dewick 1998); PEMBROKESHIRE (45): Skomer Island, 25.9 (NL); SOUTH-EAST YORKSHIRE (61): Spurn Head, 23.8 (P.A. Crowther per BRS); SHETLAND ISLANDS (112): Fair Isle, 28.8 (Penington 1998); CHANNEL ISLANDS (113): La Broderie, Guernsey, 22.9 (PC per Austin (1998a)) (as 23.9 in Austin (1998b)); Le Chene, Guernsey, 28.8; 26.9; 28.9 - 3 (TNPD per Austin (1998a)); Le Gouffre, Guernsey, 28.9 (JB per Austin (1998a)). Summary: (1): 8(or 9); (2); 1; (3): 1; (9): 5; (10): 2 (+ 5 larvae); (11); 1; (13): 1; (14); 3; (15): 8; (17): 1; (18): 1; (45): 1; (61): 1; (112): 1; (113): 7.

**Marbled Clover *Heliothis viriplaca* (Hufnagel) [I?/V?]**

SOUTH WILTSHIRE (8): Figheldean Down, 2.8 - 1 female (GRE); NORTH HAMPSHIRE (12): Magdalen Hill Down, 22.8 - 1 fresh example seen by day (Goater 1998).

**Bordered Straw *Heliothis peltigera* ([Denis & Schiffermüller]) [I]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 9.6 - 7 (Hale & Hicks 1998) (as 11.6 per MEH); SOUTH DEVON (3): Berry Head, Brixham, 22.10 - 1 by day (A. Rosier per RFM); Churston Court Farm (SX905564), 9 (DSF per RFM); DORSET (9): Portland Bird Observatory, 17.7 (Cade 1998); EAST KENT (15): Kingsgate, 8.8 - 2 (Solly 1998); EAST NORFOLK (27): Norwich, 17.8 (S. Paston per Hipperson (1998)).

Summary: (1): 7; (3): 2; (9): 1; (15): 2; (27): 1.

**Small Marbled *Eublemma parva* (Hübner) [I]**

SOUTH DEVON (3): Heybrook Bay, 17.8 - 2 dead larvae in flowers of *Pulicaria dysenterica*; 20.8 - 2 live larvae (later died) (RJH).

**Golden Twin-spot *Chrysodeixis chalcites* [I/E]**

SOUTH HAMPSHIRE (11): Milton-on-Sea, 1.11 (B. Elliott per Anon (1998b)); EAST KENT (15): Kingsgate, 10.10 (Solly 1998); SOUTH ESSEX (18): Bradwell-on-Sea, 5.6 (Dewick 1998) (as 6.6 per BG); Thundersley, 24.9 (DGD); NORTH ESSEX (19): Jaywick, 25.9 (JY per BG); [NORTHAMPTONSHIRE (32): Sywell, 25.11, pupal case later found in a rose which had been purchased from a local supermarket (Dunkley 1998)].

Summary: (11): 1; (15): 1; (18): 2; (19): 1; [(32): 1]

**Scar Bank Gem *Ctenoplusia limbirena* (Guenée) [I]**

WEST CORNWALL (1): St. Agnes, Isles of Scilly, 13.9 (Hicks & Hale 1998); DORSET (9): Portland Bird Observatory, 29.7 (Cade 1998); SOUTH HAMPSHIRE (11): Southsea, 10.6 (Langmaid 1998b); CHANNEL ISLANDS (113): St. Ouen's Pond, 30.8 (R.V. Burrows per Anon (1998c)).

**The Ni Moth *Trichoplusia ni* (Hübner) [I]**

WEST SUSSEX (13): Walberton, 8.9 (JTR per CRP).

**Dewick's Plusia *Macdunnoughia confusa* (Stephens) [I]**

SOUTH ESSEX (18): Bradwell-on-Sea, 1.10 - 1 at *Buddleia* blossom (S. Dewick per Dewick (1998)) (As AJD per BG); EAST SUFFOLK (25): Languard Bird Observatory, 7.8 (Odin 1998); CHANNEL ISLANDS (113): Le Gouffre, Guernsey, 19.10 (JB per Austin (1998a)).

**Scarce Silver Y *Syngrapha interrogationis* (Linnaeus) [I/V?]**

EAST KENT (15): Lydd, 21.7 (Clancy & Walker 1998) (1 male, KR per SPC); EAST NORFOLK (27): Eccles, 21.7 (NB per Hipperson (1997)); SHETLAND ISLANDS (112): Burrafirth, 14.7 (Penington 1998); Eswick, 14.7 (Penington 1998).

**Clifden Nonpareil *Catocala fraxini* (Linnaeus) [I]**

EAST KENT (15): Kingston, Canterbury, 19.9 (KE); Reculver, 3.10 - by day (M. Lawson per Anon (1998b)); SHETLAND ISLANDS (112): Eswick, 28.8 (T. Rogers per Waring (1997c)); Ocraquoy, 28.8 (Waring 1997c).

**Lunar Double-stripe *Minucia lunaris* ([Denis & Shiffermüller]) [I]**

EAST KENT (15): Littlestone, 4.6 - 1 male (KR per SPC, see also Hill (1997)).

**The Passenger *Dysgonia algira* (Linnaeus) [I]**

DORSET (9): West Bexington, 10.9 (R. & S. Eden per Waring (1997d)).

**Four-spotted *Tyta luctuosa* ([Denis & Schiffermüller]) [I?]**

SOUTH ESSEX (18): Bradwell St Peters, 20.7 (GS per BG); NORTH ESSEX (19): Lamarshe, 1.7 (IG & BG per BG); Layer Marney, 6.7 (JF per BG); Witham, 11.6 (R. Gerussi per BG).

**Waved Black *Parascotia fuliginaria* (Linnaeus) [I?]**

EAST KENT (15): Lydd, 11.8 (BB per SPC, see also Clancy & Walker (1998)).

**Bloxworth Snout *Hypena obsitalis* (Hübner) [I?/V?]**

WEST SUSSEX (13): Atherington, 16.11 - 1 to ivy blossom (MSP & JEC); OXFORDSHIRE (23): Henley, 27.8 (slight possibility that it was a descendant of an escapee from a captive population) (D. Wedd per Waring (1998)).

**Plumed Fan-foot *Pechipogo plumigeralis* (Hübner) [I?/R?]**

EAST SUSSEX (14): Rye Harbour, 25.8 (Funnell 1998); EAST KENT (15): Dungeness, 9.8 - 1 male (TR).

**ANNEX 2: SELECTED RECORDS OF “COMMONER” SPECIES**

This annex gives a very brief summary of the abundance over the year as well as the earliest and latest date for the more frequent immigrant species which are not covered in Annex 1. Other significant records or observations for 1997 which have been received and were not covered in Annex 1, such as large numbers of an individual species, are also given.

**YPONOMEUTIDAE*****Plutella xylostella* (Linnaeus)**

An average year, widely reported in southern England. DORSET (9): Portland Bird Observatory, a total of 932 recorded over the year (MC); EAST SUSSEX (14): Peacehaven; a total of 309 recorded over the year (CRP); Rye Harbour, a total of 877 recorded over the year (Funnell 1998).

Earliest dates: WEST CORNWALL (1): St Agnes, Isles of Scilly, 15.3 (MEH); CHANNEL ISLANDS (113): Guernsey, 5.5 (Austin 1998a); DORSET (9): Portland Bird Observatory, 22.5 (Cade 1998);

Latest dates: DORSET (9): Portland Bird Observatory, 19.12 (MC); ISLE OF WIGHT (10): Freshwater, 28.11 (SAKJ); WEST CORNWALL (1): St Agnes, Isles of Scilly, 26.11 (MEH); EAST SUSSEX (14): Peacehaven, 26.11 - 3 (CRP); CHANNEL ISLANDS (113): Guernsey, 26.11 (Austin 1998b).

Other significant records: WEST CORNWALL (1): St. Agnes, Isles of Scilly, 10.8 - 100 (Hicks & Hale 1998); 20.9 - 59; 24.9 - 47; 24.10 - 49; 30.10 - 46 (MEH); DORSET (9): Portland Bird Observatory, 10.8 - 214 (Cade 1998); EAST SUSSEX (14): Peacehaven, 7.8 - 22; 9.8 - 28; 11.8 - 38 (CRP); Rye Harbour, 16.8 - 121 (Funnell 1998); EAST NORFOLK (27): Eccles-on-Sea, 23.8 - 67 (Bowman 1998); EAST SUFFOLK (25): Languard Bird Observatory, 12.8 - 1570 (Odin 1998); NORTH LINCOLNSHIRE (54): Gibraltar Point, 8.8 - 140 (Wilson, K. 1998); SOUTH-EAST YORKSHIRE (61): Spurn, 22.7 - 755 in two traps plus “hundreds of thousands along the peninsula” (Spence 1998); NORTH ABERDEENSHIRE (93): Oldmeldrum, 12.8 - 50 (MY per Waring (1997c)).

**PYRALIDAE*****Udea ferrugalis* (Hübner)**

An average year, widely reported in southern England. DORSET (9): Portland Bird Observatory, a total of 237 recorded over the year (MC); EAST SUSSEX (14): Peacehaven; a total of 20 recorded over the year (CRP); Rye Harbour, a total of 60 recorded over the year (Funnell 1998); SOUTH ESSEX (18): Bradwell-on-Sea; a total of 23 recorded over the year (Dewick 1998).

Earliest dates: CHANNEL ISLANDS (113): Guernsey, 11.4 (Austin 1998a) (as 12.4 in Austin 1998b); DORSET (9): Portland Bird Observatory, 3.5 (Cade 1998).

Latest dates: DORSET (9): Portland Bird Observatory, 21.12 (MC); WEST CORNWALL (1): St Agnes, Isles of Scilly, 20.12 (MEH); The Lizard, 1.12 (Tunmore 1998e) (given as Church Cove per MT); NORTH HAMPSHIRE (12): Selborne, 20.12 (AA); CHANNEL ISLANDS (113): Guernsey, 14.12 (Austin 1998b).

Other significant records: WEST CORNWALL (1): Porthloo, St. Mary's, Isles of Scilly, 22.10 - 17 (JPM); St. Agnes, Isles of Scilly, 24.10 - 29 (Hicks & Hale 1998); 15.8 - 17; 16.8 - 25; 20.8 - 25; 24.8 - 39; 29.10 - 29; 25.11 - 11 (MEH); DORSET (9): Portland Bird Observatory, 6.11 - 35 (Cade 1998).

#### *Nomophila noctuella* ([Denis & Schiffermüller])

A very poor year, relatively few records received and unrecorded in some areas. DORSET (9): Portland Bird Observatory, a total of 9 recorded over the year (Cade 1998); EAST SUSSEX (14): Peacehaven; a total of 1 recorded over the year (CRP); Rye Harbour, a total of 3 recorded over the year (Funnell 1998).

Earliest dates: CHANNEL ISLANDS (113): Le Gouffre, Guernsey, 8.3 (JB per Austin 1998a); WEST CORNWALL (1): St Agnes, Isles of Scilly, 12.3; 15.3 (MEH); WEST SUSSEX (13): Nymans Garden, Handcross, 20.3 (JHC); SOUTH DEVON (3): Abbotskerswell, 25.3 (BPH per RFM).

Latest dates: WEST CORNWALL (1): St Agnes, Isles of Scilly, several records in 10, last on 22.10 (MEH); DORSET (9): Canford, 1.10 - 1 dead (JHC).

### PIERIDAE

#### *Small White Pieris rapae* (Linnaeus)

Possibly significant record only: WEST NORFOLK (28): Scolt Head, 26.8 - 5000 (Tunmore 1998b).

### NYMPHALIDAE

#### *Red Admiral Vanessa atalanta* (Linnaeus)

An average year, widely reported.

Earliest dates: CHANNEL ISLANDS (113): Guernsey, 13.1 (Austin 1998b); SOUTH HAMPSHIRE (11): Hayling Island, 16.1 (Tavener 1998c); Southbourne 24.1 (Tavener 1998c); Acres Down, 26.1 (Tavener 1998c); EAST KENT (15): Sandwich Bay, 15.2 (Game & Lycett 1998); BUCKINGHAMSHIRE (24): Gusset Wood, 6.3 (DB); PEMBROKESHIRE (45): Skomer Island, 11.3 (NL).

Latest date: SOUTH HAMPSHIRE (11): Boldre 31.12 (Tavener 1998c); ISLE OF WIGHT (10): Binstead, 28.12 (Tavener 1998c); 29.11 - 4; 13.12; 21.12; 30.12 (Warne 1998) (see Warne (1998) for a summary of the records over the winter of 1997/98 on the Isle of Wight); Arreton, 16.12 - 1 "hibernating in a wood pile" (Tavener 1998c); EAST SUSSEX (14): Peacehaven, 29.11 (CRP); DORSET (9): Portland Bird Observatory, 27.11 (Cade 1998).

Other significant records: WEST CORNWALL (1): The Lizard, 19.3 - 1 at light (Tunmore 1998e); DORSET (9): Portland Bird Observatory, 6.8 to 10.8 - 8 recorded at mv light, including 6 on 7.8; 23.9 to 5.10 - 8 recorded at mv light (Cade 1998); NORTH HAMPSHIRE (12): Selborne, 29.8 - 1 at mv light (AA); EAST KENT (15): Sandwich Bay, 9.8 - 19 (Game & Lycett 1998); SURREY (17): Lingfield, 6.9 - 12 (JHC); Wildhern, 7.9 - 35 (Tavener 1998c); SOUTH ESSEX (18): Bradwell-on-Sea; 16.5 - 16; 4.7 - 17; 20.7 - 20; 27.7 - 26; 8.9 - 12; 16.9 - 18; 17.10 - 10 (Dewick 1998); EAST SUFFOLK (25): Languard Bird Observatory, 6.9 - 96 moving south (Odin 1998); ANGLESEY (52): Llanfoes, 16.8 - 1 to mv light (JHC); SOUTH-EAST YORKSHIRE (61): Spurn Head, 8.6 - 23 (BRS); WESTMORLAND (69): South Walney N.R., 2.8 - 500 (Makin 1998); BANFFSHIRE (94): Ordiquhill, 29.8 - 60 (RL); SHETLAND ISLANDS (112): 28.8 - "hundreds in the islands" (Penington 1998).

**Painted Lady *Vanessa cardui* (Linnaeus)**

A poor year, few records received, but widely reported (at least in southern England). Earliest dates: SOUTH HAMPSHIRE (11): Purbrook, 24.1 - 1 fluttered to ground when an allotment shed was being dismantled (Bloss 1998); EAST SUSSEX (14): Peacehaven, 6.3 (CRP); DORSET (9): no locality given, 8.3 (Bowles 1997a). Latest dates: PEMBROKESHIRE (45): Skomer Island, 1.11 (NL); CHANNEL ISLANDS (113): Guernsey, 26.10 (Austin 1998b); WEST CORNWALL (1): Hayle, 23.10 (Wacher 1998). Other significant records: DORSET (9): Portland Bird Observatory, 7.8 - 1 recorded at mv light (Cade 1998); NORTH ESSEX (19): Dovercourt, 17.9 - 11 (CG per BG).

**Small Tortoiseshell *Aglais urticae* (Linnaeus)**

The influx of this butterfly is covered by Tunmore (1998b), some of the more significant records are given here: WEST NORFOLK (28): Scolt Head NNR, 16.8 - c.50; 21.8 - "2500 present . . . and 1000s more arriving from the east"; 26.8 - 231,000 estimated have arrived off the sea during the course of the day; 31.8 - estimated 1000 per hour moving west (Tunmore 1998b); "several fisherman reported clouds of Small Tortoiseshell moving west up to 15 miles off the north Norfolk coast" - late 8 (Tunmore 1998b); EAST NORFOLK (27): Winterton NNR, 24.8 - 20,000 (Tunmore 1998b); NORTH LINCOLNSHIRE (54): Gibraltar Point, 2.9 - estimated 1000 moving north (Tunmore 1998b); SOUTH-EAST YORKSHIRE (61): Spurn Point, 21.8 - over 1000; 26.8 - estimated 5000 flew north; 2.9 - 3000 moving north (Tunmore 1998b); WESTMORLAND (69): South Walney NR, 20.7 - 1000, 2.8 - 500 (Makin 1998).

**Peacock *Inachis io* (Linnaeus)**

NORTH LINCOLNSHIRE (54): Gibraltar Point, 14.8 - 100+ per hour arriving off the sea (Wilson, K. 1998).

**NOCTUIDAE****Dark Sword-grass *Agrotis ipsilon* (Hufnagel)**

An below average year, widely reported. DORSET (9): Portland Bird Observatory, a total of 116 recorded over the year (MC); EAST SUSSEX (14): Peacehaven; a total of 15 recorded over the year (CRP); Rye Harbour, a total of 217 recorded over the year (Funnell 1998); SOUTH ESSEX (18): Bradwell-on-Sea; a total of 124 recorded over the year (Dewick 1998).

Earliest dates: ISLE OF WIGHT (10): Binstead, 3.3 (BJW); Freshwater, 6.3 (SAKJ); SOUTH ESSEX (18): Bradwell-on-Sea; 5.3 (Dewick 1998); SOUTH DEVON (3): Abbotskerswell, 8.3; 11.3 (BPH); DORSET (9): Portland Bird Observatory, 8.3 (Cade 1998); EAST KENT (15): Densore, 8.3 (TR); PEMBROKESHIRE (45): Skomer Island, 8.3 (NL); CHANNEL ISLANDS (113): Guernsey, 8.3 (Austin 1998b); EAST SUSSEX (14): Rye Harbour, 10.3 (Funnell 1998); WEST CORNWALL (1): Church Cove, 13.3 (MT); St Agnes, Isles of Scilly, 12.3 (MEH); SOUTH HAMPSHIRE (11): Chandlers Ford, 13.3; 14.3 (Goater 1998); NORTH HAMPSHIRE (12): Selborne, 16.3 (AA).

Latest dates: DORSET (9): Portland Bird Observatory, 21.12 (MC); NORTH HAMPSHIRE (12): Selborne, 10.12 (AA).

Other significant record: Rye Harbour, 30.8 - 14 (Funnell 1998).

**Pearly Underwing *Peridroma saucia* (Hübner)**

An average year, widely reported. DORSET (9): Portland Bird Observatory, a total of 59 recorded over the year (Cade 1998); EAST SUSSEX (14): Peacehaven; a total of 3 recorded over the year (CRP); Rye Harbour, a total of 36 recorded over the year (Funnell 1998); SOUTH ESSEX (18): Bradwell-on-Sea; a total of 14 recorded over the year (Dewick 1998).

Earliest dates: WEST SUSSEX (13): Turners Hill, 1.3 - 1 dead (JHC); ISLE OF WIGHT (10): Freshwater, 9.3 (Knill-Jones 1998b); SOUTH DEVON (3): Abbotskerswell, 11.3 (BPH); WEST CORNWALL (1): The Lizard, 13.3 (Tunmore 1998e) (given as Church Cove per MT); CHANNEL ISLANDS (113): La Broderie, Guernsey, 15.3 (PC per Austin (1998b)).

Latest dates: WEST SUSSEX (13): Walberton, 29.12 (JTR per CRP); WEST CORNWALL (1): St Agnes, Isles of Scilly, several late 11 records and 20.12 - 6 (MEH); The Lizard, 1.12 (Tunmore 1998e) (given as Church Cove per MT); SOUTH ESSEX (18): Bradwell-on-Sea; 28.11 (Dewick 1998); ISLE OF WIGHT (10): Binstead 14.11 (Goater 1998); Freshwater, 26.11 (SAKJ); DORSET (9): Portland Bird Observatory, 25.11 (Cade 1998); CHANNEL ISLANDS (113): La Broderie, Guernsey, 22.12 (PC per Austin (1998b)).

Other significant records: WEST CORNWALL (1): Porthloo, St. Mary's, Isles of Scilly, 22.10 - 9 (JPM); St Agnes, Isles of Scilly, 19.10 - 9; 22.10 - 11 (MEH); DORSET (9): Portland Bird Observatory, 7.9 - 10 (Cade 1998).

#### **Silver Y *Autographa gamma* (Linnaeus)**

A below average year, widely reported. DORSET (9): Portland Bird Observatory, a total of 1216 recorded over the year (MC); EAST SUSSEX (14): Peacehaven; a total of 433 recorded over the year (CRP); Rye Harbour, a total of 956 recorded over the year (Funnell 1998); SOUTH ESSEX (18): Bradwell-on-Sea; a total of 959 recorded over the year (Dewick 1998).

Earliest dates: EAST KENT (15): Densole, 9.3 (TR); ISLE OF WIGHT (10): Freshwater, 11.3 (Knill-Jones 1998a); SOUTH LINCOLNSHIRE (53): Bourne, 13.3 (Mrs A. Faulkner per RJ); DORSET (9): Portland Bird Observatory, 14.3 (Cade 1998).

Latest date: WEST SUSSEX (13): Walberton, 30.12 (JTR per CRP); WEST CORNWALL (1): St Agnes, Isles of Scilly, 26.11; 28.11 - 2 by day; 20.12 (MEH); The Lizard, 28.11 (Tunmore 1998e) (given as Church Cove per MT); DORSET (9): Portland Bird Observatory, 20.12 (MC); ISLE OF WIGHT (10): Freshwater, 28.11 (SAKJ); locality not given, 10.12 (Knill-Jones 1998c); SOUTH DEVON (3): Churston Court Farm (SX905564), 2.12 (DSF per RFM).

Selected significant records only: WEST CORNWALL (1): St Agnes, Isles of Scilly, 21.9 - 68 (MEH); DORSET (9): Portland Bird Observatory, 7.8 - 173 (Cade 1998); EAST SUSSEX (14): Peacehaven, 8.8 - 37; 30.9 - 28 (CRP); Rye Harbour, 8.8 - 98 (Funnell 1998); SOUTH ESSEX (18): Bradwell-on-Sea; 11.7 - 54 (Dewick 1998); WEST NORFOLK (28): Scolt Head NNR, 16.8 - 300 (Tunmore 1998b); SOUTH-EAST YORKSHIRE (61): Spurn Head, 29.7 - 70; 7.8 - 60; 8.8 - 150 (all records by day) (BRS); Spurn Point, 21.8 - 60 (Tunmore 1998b).

#### **Initials of recorders**

The recorders initials are listed alphabetically so that records can be extracted with relative ease.

AA	A. Aston	DJF	D.J. Funnell	JF	J. Firmin
AJD	A.J. Dewick	DJLA	D.J.L. Agassiz	JF <sup>2</sup>	J. Franks
BB	B. Benson	DSF	D.S. Fish	JHC	J.H. Clarke
BFS	B.F. Skinner	DW	D. Walker	JJ	J. Jaines
BG	B. Goodey	GAC	G.A. Collins	JM	J. Maddocks
BJW	B.J. Warne	GDC	G.D. Craine	JM <sup>2</sup>	J. Muggleton
BKW	B.K. West	GEH	G.E. Higgs	JO	J. Owen
BPH	B.P. Henwood	GRE	G.R. Else	JPM	J.P. Martin
BRS	B.R. Spence	GS	G. Smith	JS	J. Shaugnessy
CG	C. Gibson	IDH	I.D. Hunter	JTR	J.T. Radford
CRP	C.R. Pratt	IG	I. Grahame	JY	J. Young
CWP	C.W. Plant	IH	I. Hall	KE	K. Elks
DB	D. Brown	JB	J. Brehaut	KJO	K.J. Orpe
DGD	D.G. Down	JEC	J.E. Chainey	KR	K. Redshaw

LK	L. Kneale	PP	P. Philpot	RM	R. Mays
MC	M. Cade	PT	P. Troake	RWA	R.W. Arthur
MRH	M.R. Honey	RA	R. Austin	RWP	R.W. Parfitt
MJS	M.J. Simmons	RB	R. Bell	SAKJ	S.A. Knill-Jones
MSP	M.S. Parsons	REP	Mrs R.E. Pratt	SP	S. Patten
MT	M. Tunmore	RFM	R.F. McCormick	SPC	S.P. Clancy
MY	M. Young	RG	R. Gaunt	SW	Dr S. Wright
NB	N. Bowman	RJ	R. Johnson	TB	T. Bagworth
NL	N. Littlewood	RJB	R.J. Brooker	TNDP	T.N.D. Peet
PB	P. Bergdahl	RJH	R.J. Heckford	TR	T. Rouse
PC	P. Costen	RL	R. Leverton	WA	W. Angell

### Other contributors

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